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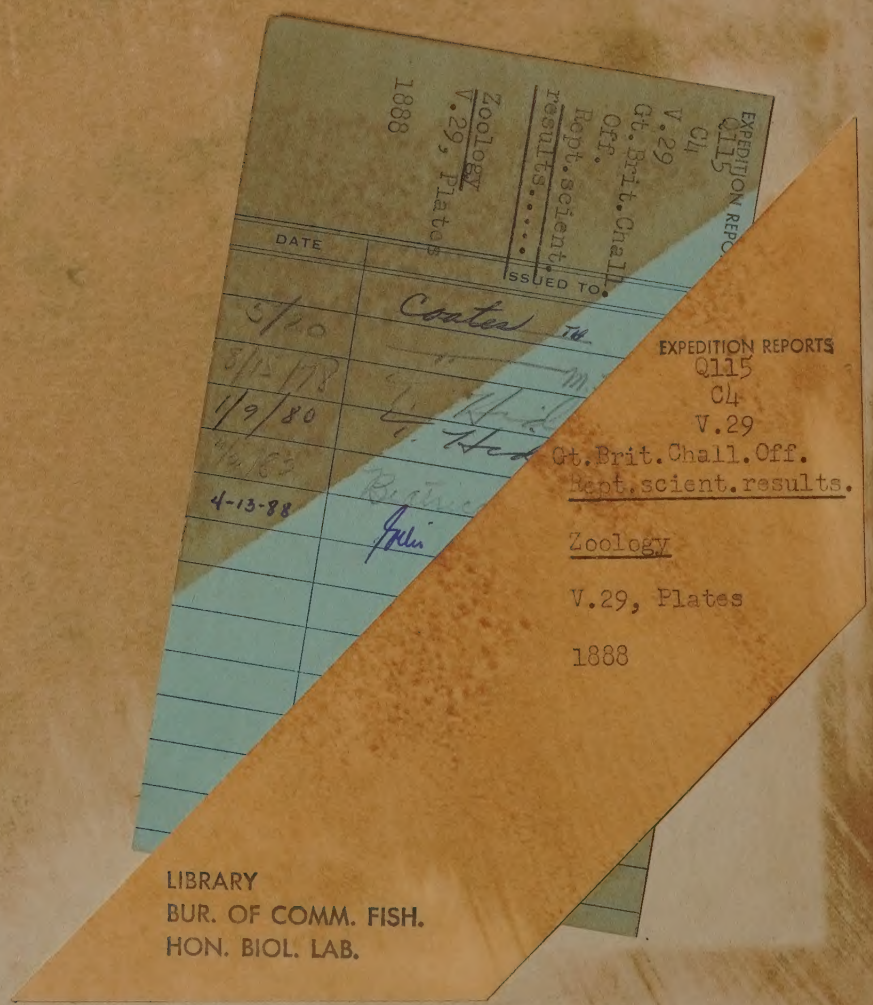

THE

VOYAGE OF H.M.S. CHALLENGER.

ZOOLOGY—VOL. XXIX.

PLATES.

4084

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CONTENTS.

Report on the Amphipoda collected by H.M.S. Challenger during the years 1873–1876.

By Rev. Thomas R. R. Stebbing, M.A.

PLATES.

EDITORIAL NOTE.

The collections of Amphipoda procured in the trawls, dredges, and tow-nets during the voyage of H.M.S. Challenger were placed in the hands of the Rev. Thomas R. R. Stebbing for examination and description in the summer of 1882. From not long after that date up to the present time Mr. Stebbing has been almost exclusively occupied in the work connected with the preparation of this extensive and valuable Report, which will be welcomed by all students of the Crustacea.

There is the same uncertainty connected with the Amphipoda as with several other groups of animals taken in the trawls and tow-nets, as to the depths at which the specimens were captured. Some were undoubtedly taken at or near the bottom, while others were as certainly taken in the surface and subsurface waters, but with others again there is a great deal of doubt. Although a record of the depths to which the nets were let down was attached to the specimens, the naturalists of the Expedition did not intend to convey the impression that the specimens necessarily came from the depths indicated.

This Report, which forms part LXVII. and Volume XXIX. of the Zoological Series of Reports, consists of 1774 pages of letterpress, with 212 Plates and a Map. The whole is bound up in three separate portions, two of letterpress and one of Plates.

The first Instalment of the Manuscript was received by me on the 5th December 1885, and the last on the 30th November 1888.

John Murray.

Challenger Office, 32 Queen Street,
Edinburgh, *December* 5, 1888.

EXPLANATION OF THE PLATES.

The lettering is uniform throughout the Plates, and is based on the initial letters of the words indicated :—

C. Cephalon.
oc. Ocelli, parts of the compound eye.
a.s. Antenna superior, upper antenna.
a.i. Antenna inferior, lower antenna.
g.c. Gland-cone.
ep. Epistome.
l.s. Labium superius, labrum, upper lip.
l.i. Labium inferius, lower lip.
m. Mandible.
mx.^{1}. First maxilla.
mx.^{2}. Second maxilla.
mxp. Maxillipeds.
Org. trit. or *o.t.* Triturating organs of the stomach.
c. Cor, the heart.
gn.^{1}. First gnathopod.
gn.^{2}. Second gnathopod.
prp.$^{1, 2, 3, 4, 5}$. First, second, third, fourth, and fifth peræopods.
Pl.s. Pleon-segment.
plp.$^{1, 2, 3}$. First, second, and third pleopods.
plp.sp. Coupling-spines or cleft-spines of the pleopods.
ur.$^{1, 2, 3}$. First, second, and third uropods.
T. Telson.
♂ male, ♀ female, ⌣ young.

As a rule in each species all the figures of the same group, as for example the mouth organs or the limbs of the peræon, are drawn to the same scale, though the different groups are frequently drawn to different scales. The linear magnifying powers of the microscope used are stated by the makers to be nearly as follows :—

"2-inch	Object-glass,	with	No. 1	Eye-piece,	24; with No. 2	do., 40.
1-inch	do.		do.	do.	55; do.	100.
¼-inch	do.		do.	do.	200; do.	350."

The outlines of the undissected specimen represent it as seen in liquid under a low magnifying power, the appendages of only one side of the animal being figured, and the pleopods being generally omitted altogether.

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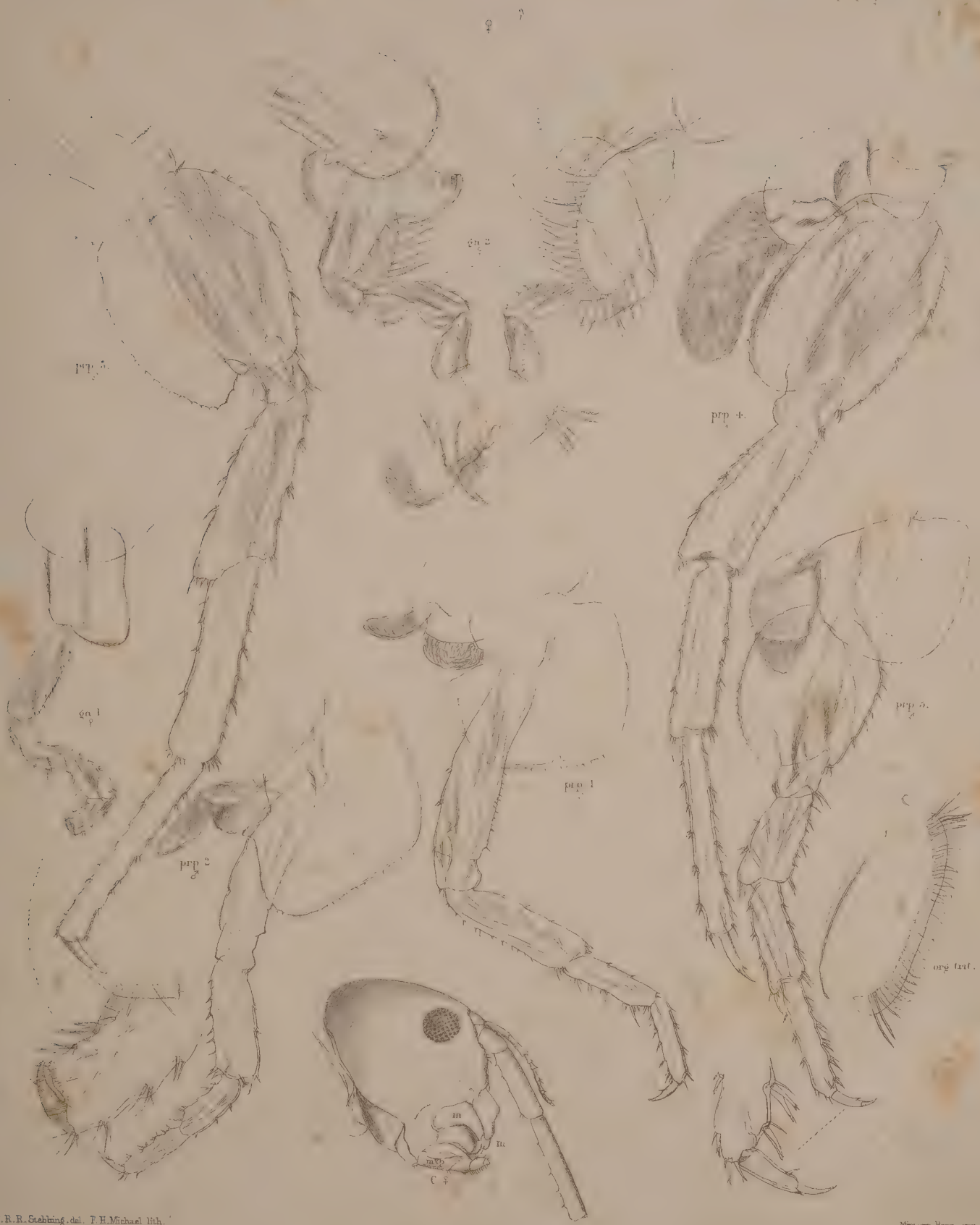
MAP showing the distribution of the CHALLENGER AMPHIPODA according to Families.

J. R. Stebbing del. Watercolour.

Mintern Bros. imp.

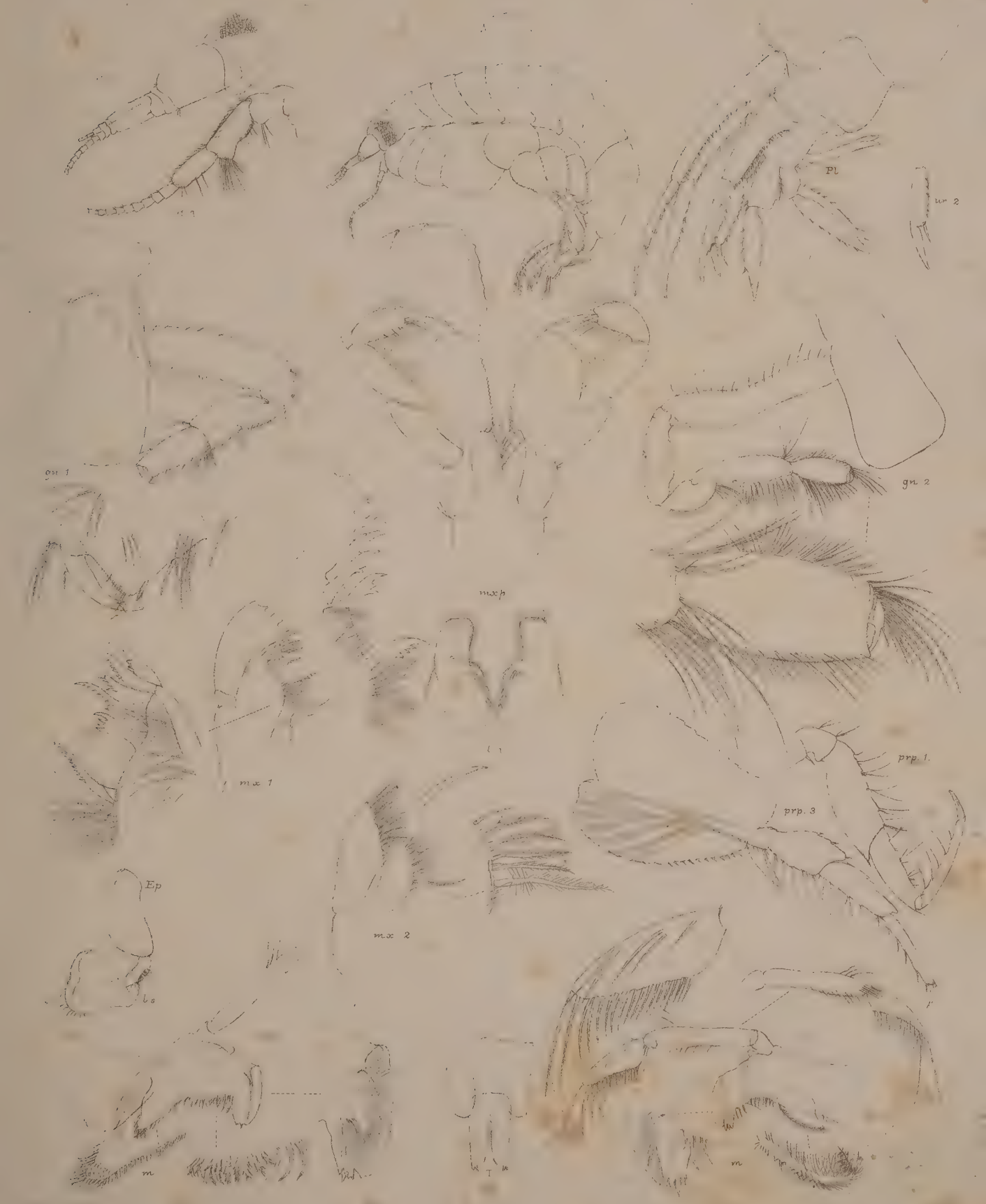
ORCHESTIA SELKIRKI, n. sp.



T.R.R. Stebbing, del. F.H. Michael lith.

Mintern Bros. imp.

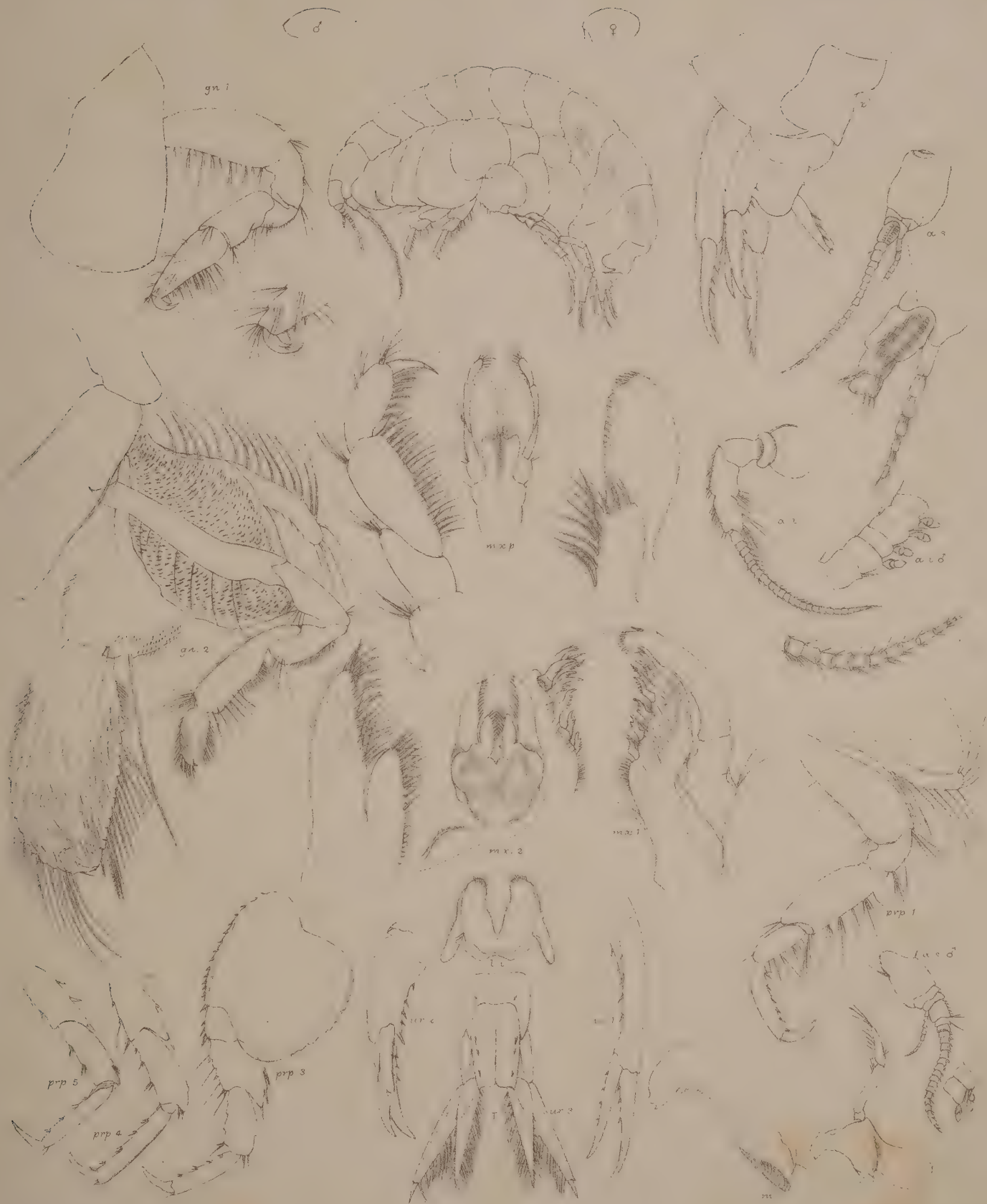
ORCHESTIA SELKIRKI, n.sp.



T.R.R. Stebbing del.

Lith. Parker & Coward.
West, Newman & Co. imp.

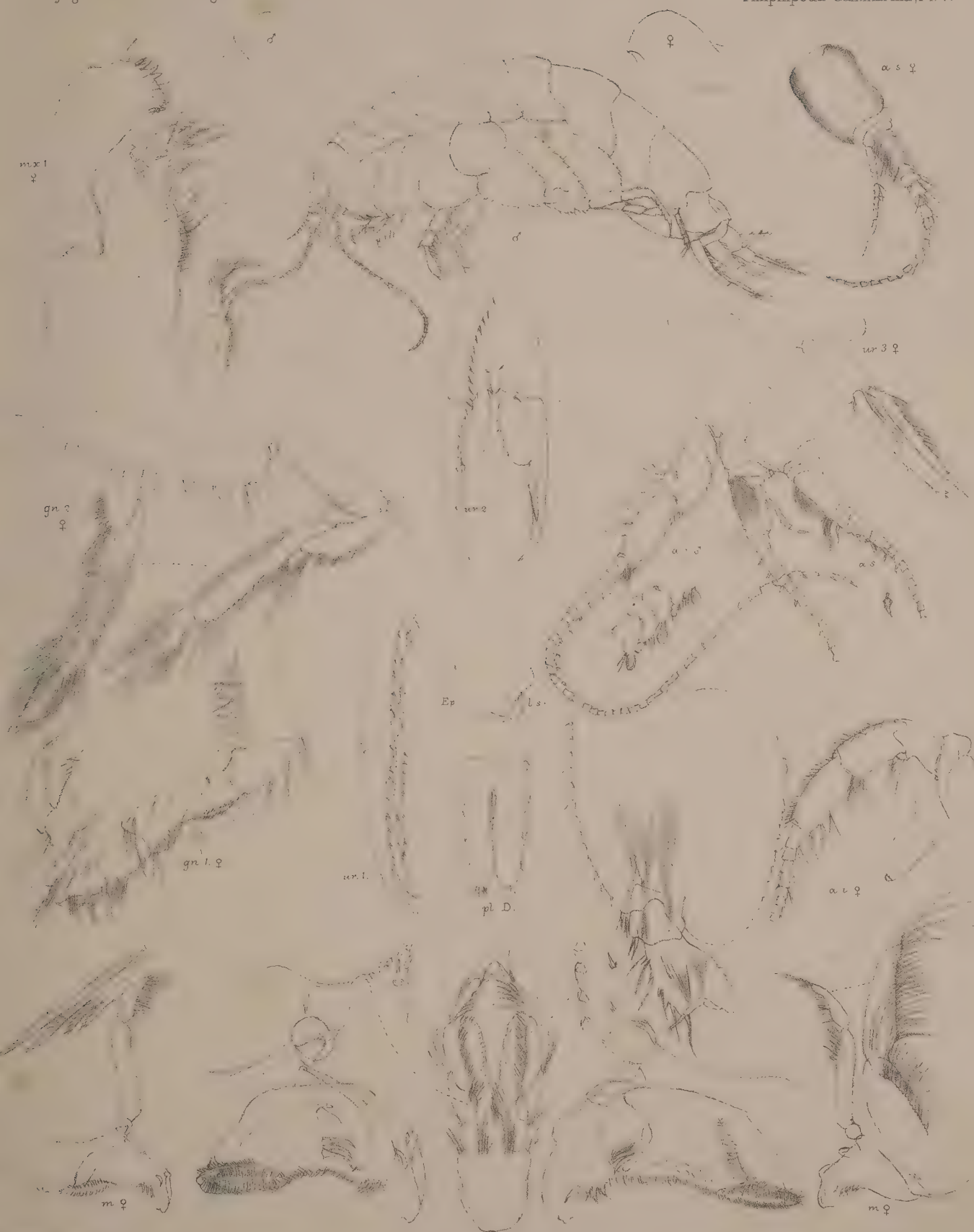
ANONYX AMPULLOIDES, Stimpson & Bate.



T.R.R. Stebbing del.

Lith. Parker & Cowan
West, Newman & Co. imp

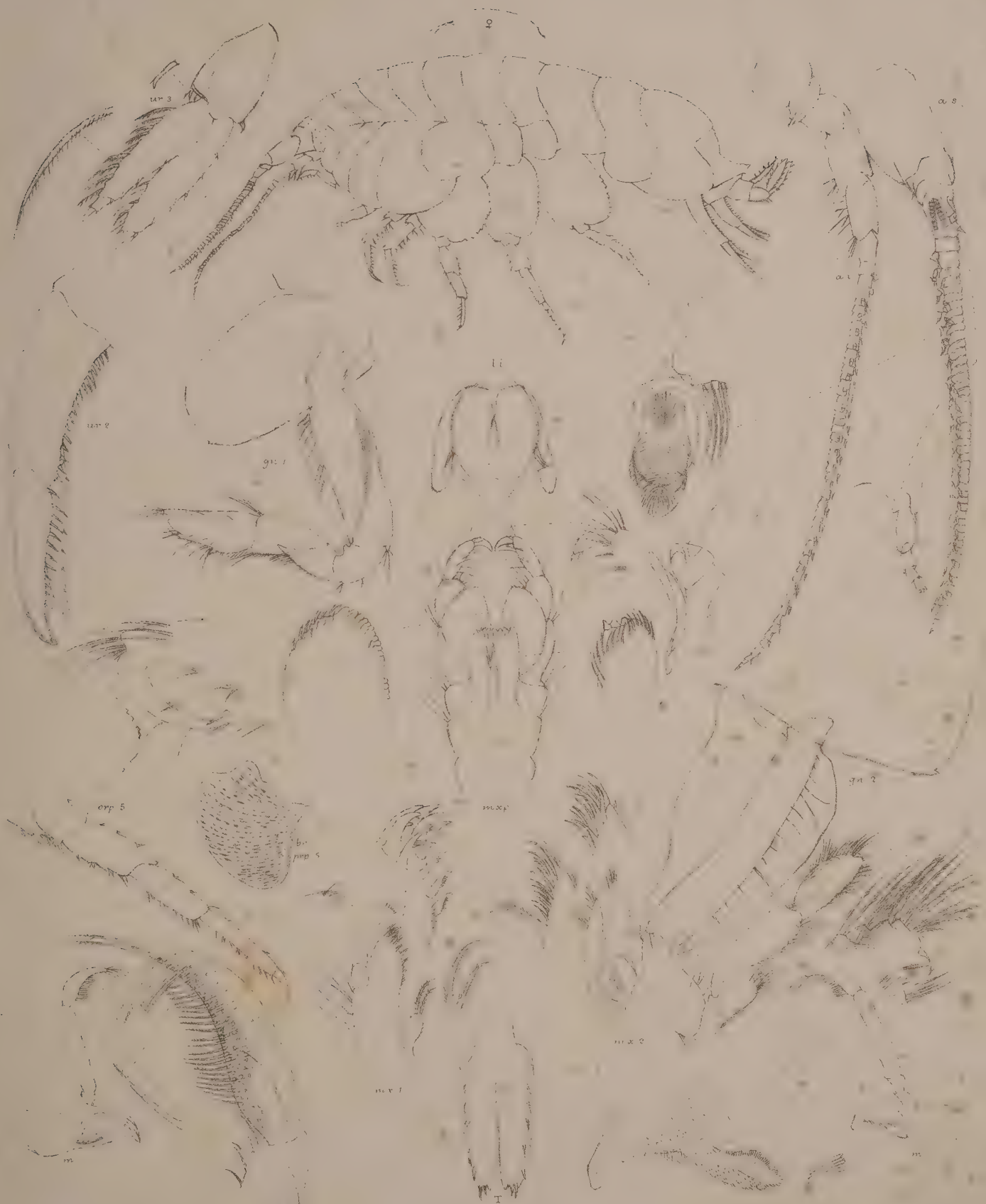
ANONYX CICADOIDES, n. sp



T.R.R. Stebbing del.

Lith. Parker & Coward.
West, Newman & Co imp.

ANONYX CICADOIDES, n. sp.



T.R.R. Stebbing del

Lith. Parker & Coward
West, Newman & Co. imp

TRYPHOSA ANTENNIPOTENS, n. sp.

F.R.R. Stebbing del. F.H.Mickael lith.

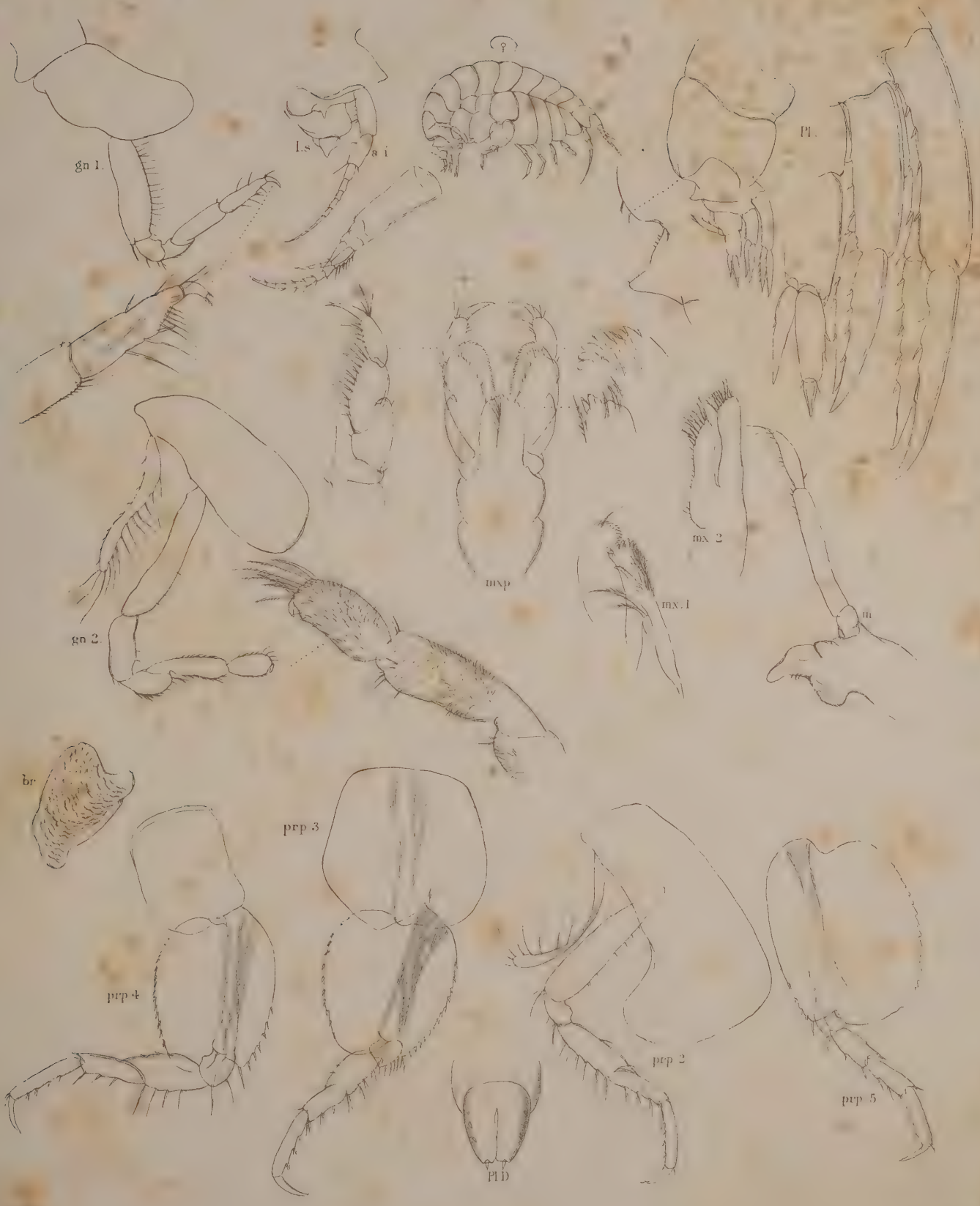
Mintern. Bros. imp.

TRYPHOSA BARBATIPES, n.sp.

T.R.R. Stebbing del. F. H. Michael lith.

Mintern Bros. imp.

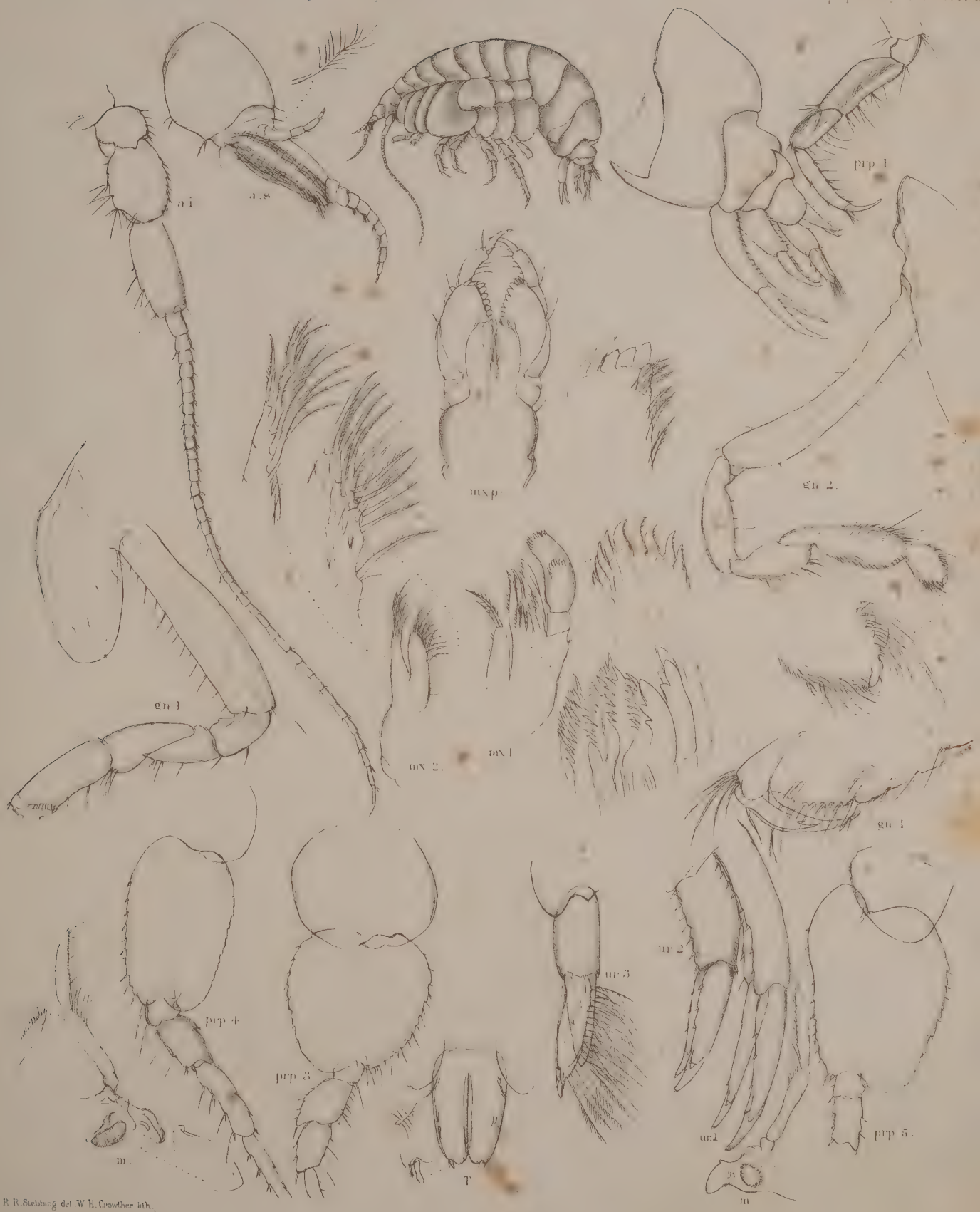
HIPPOMEDON KERGUELENI, Miers.



T. R. R. Stebbing del. W. H. Crowther lith.

Mintern. Press imp.

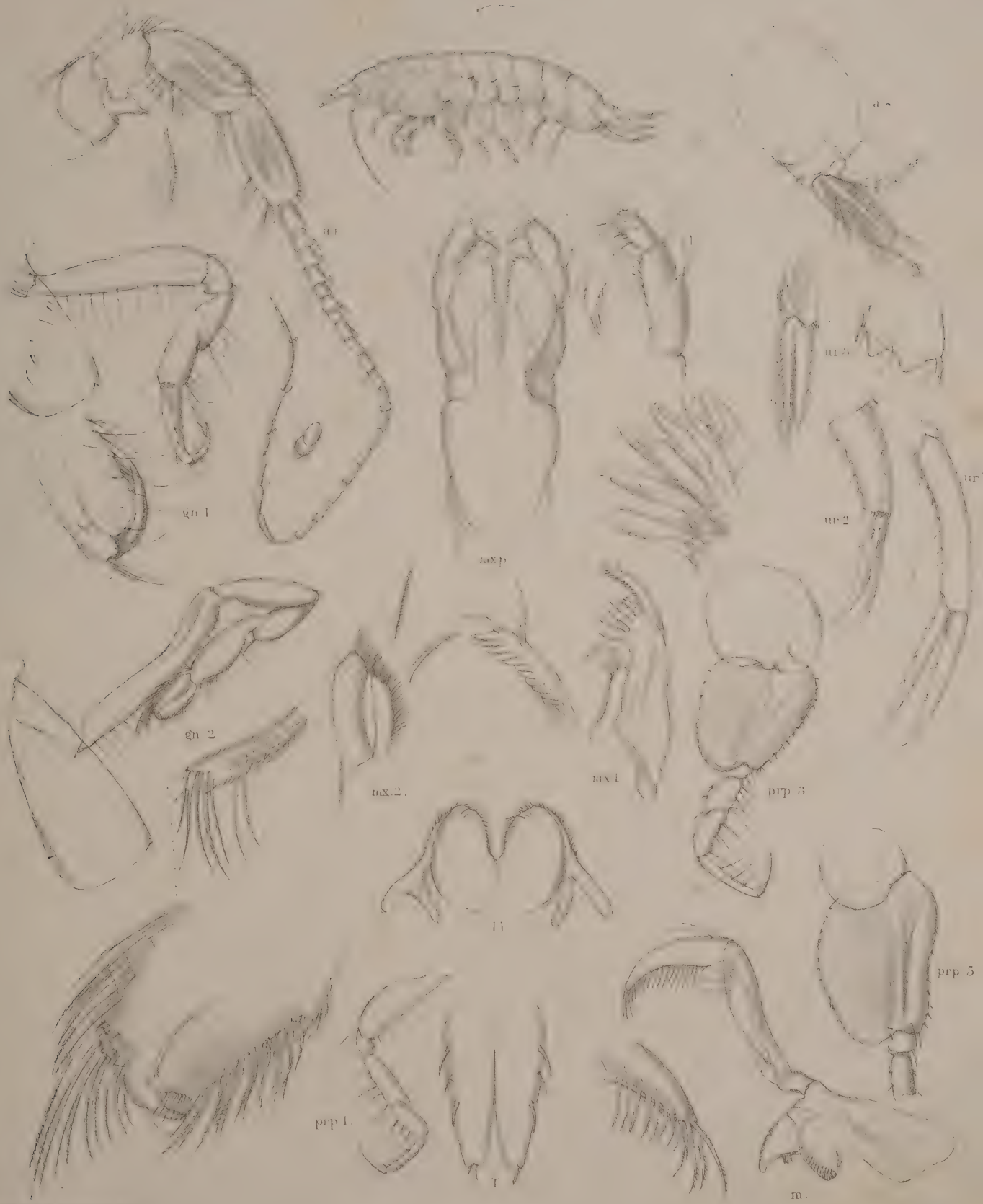
HIPPOMEDON TRIGONICUS, n.sp.



T. R. R. Stebbing del. W. H. Crowther lith.

Mintern Bros. imp.

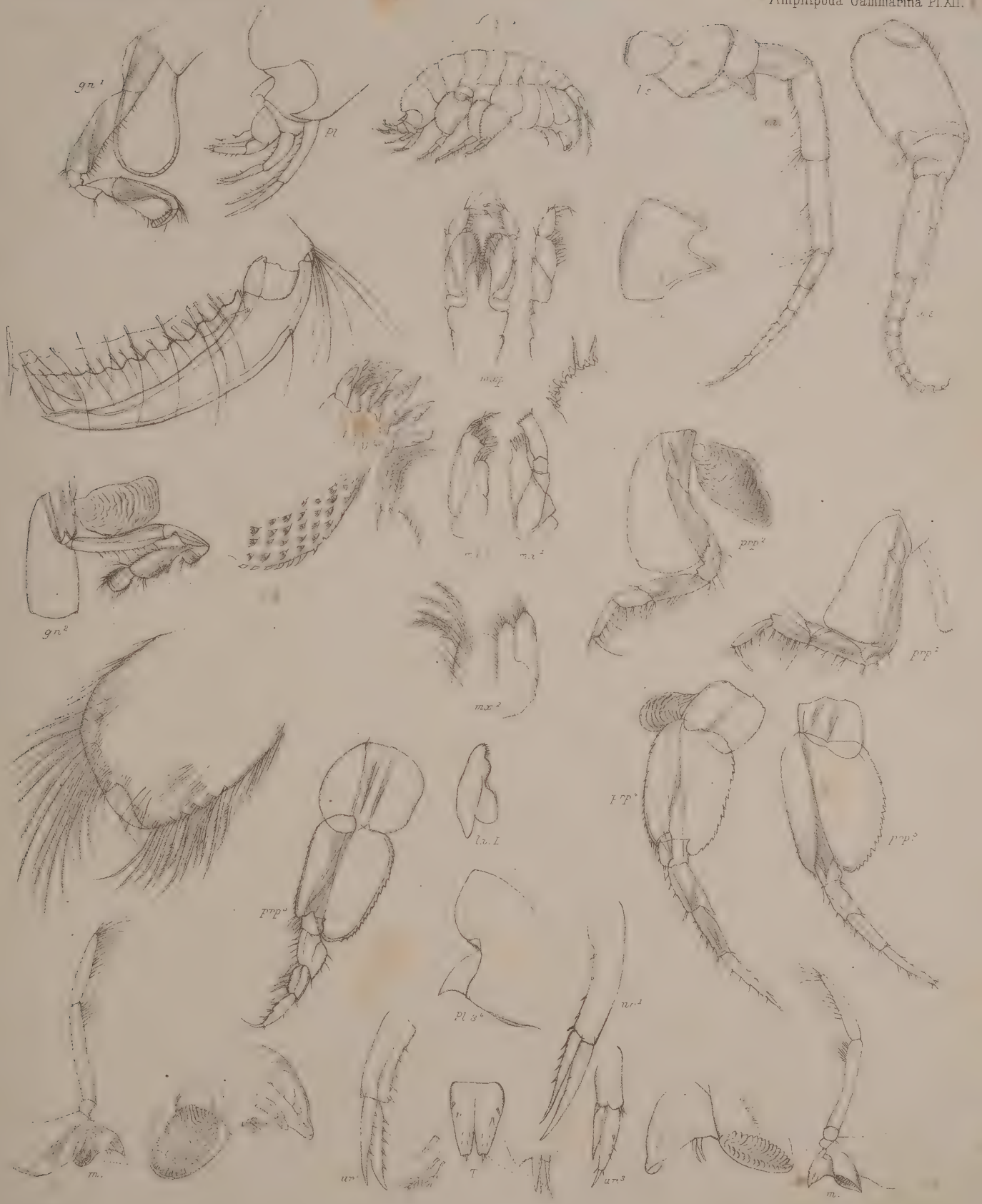
HIPPOMEDON MIERSI, n.sp.



J. F. K. Stebbing, del. S. H. Mason, lith.

Masters, Bros., imp.

HIPPOMEDON GEELONGI, n. sp.



T.R.R. Stebbing, del.

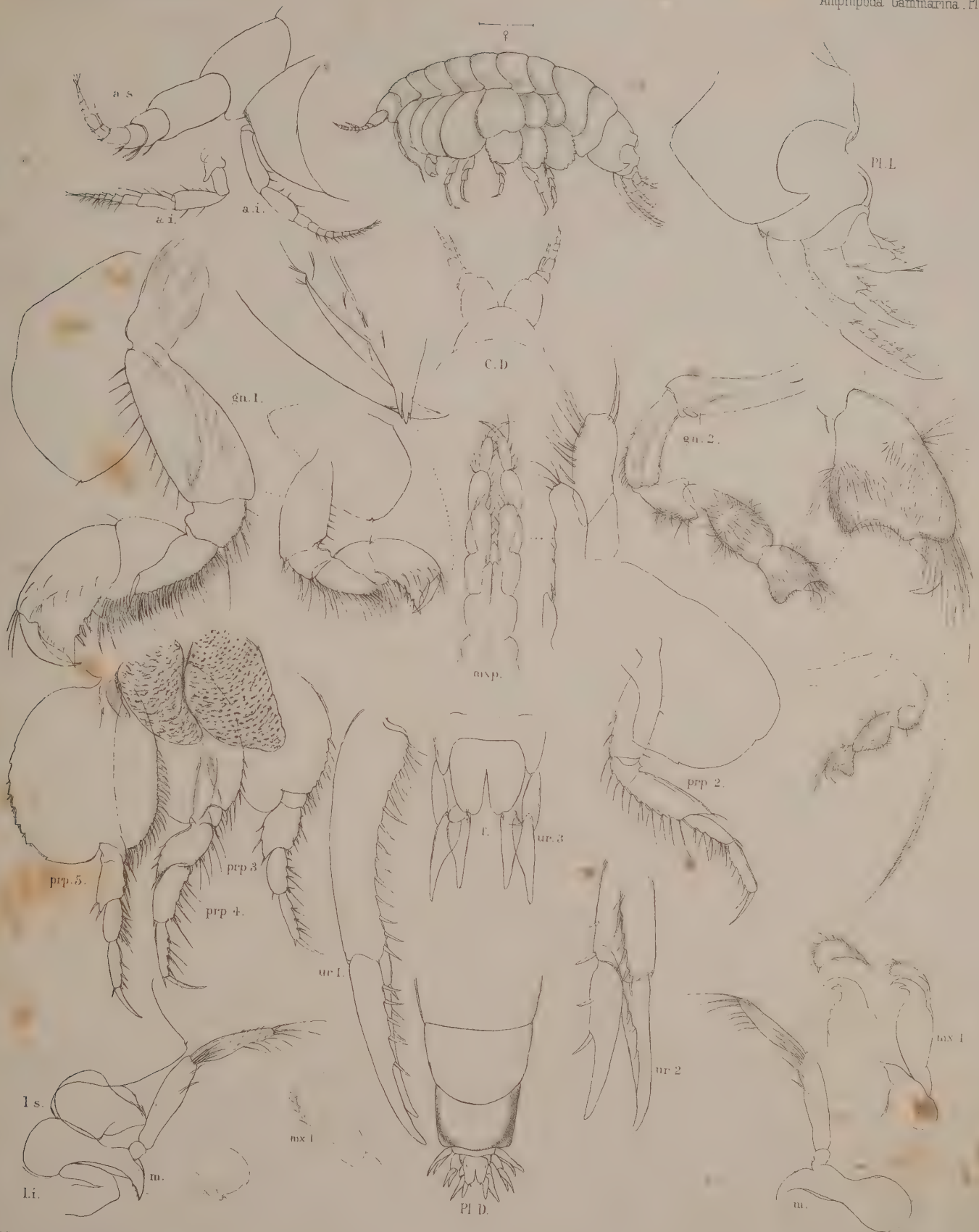
M^cFarlane & Erskine, Lith^rs Edin^r

CHEIRIMEDON CRENATIPALMATUS, n. g. et sp.

T. R. R. Stebbing del. W. H. Crowther sc.

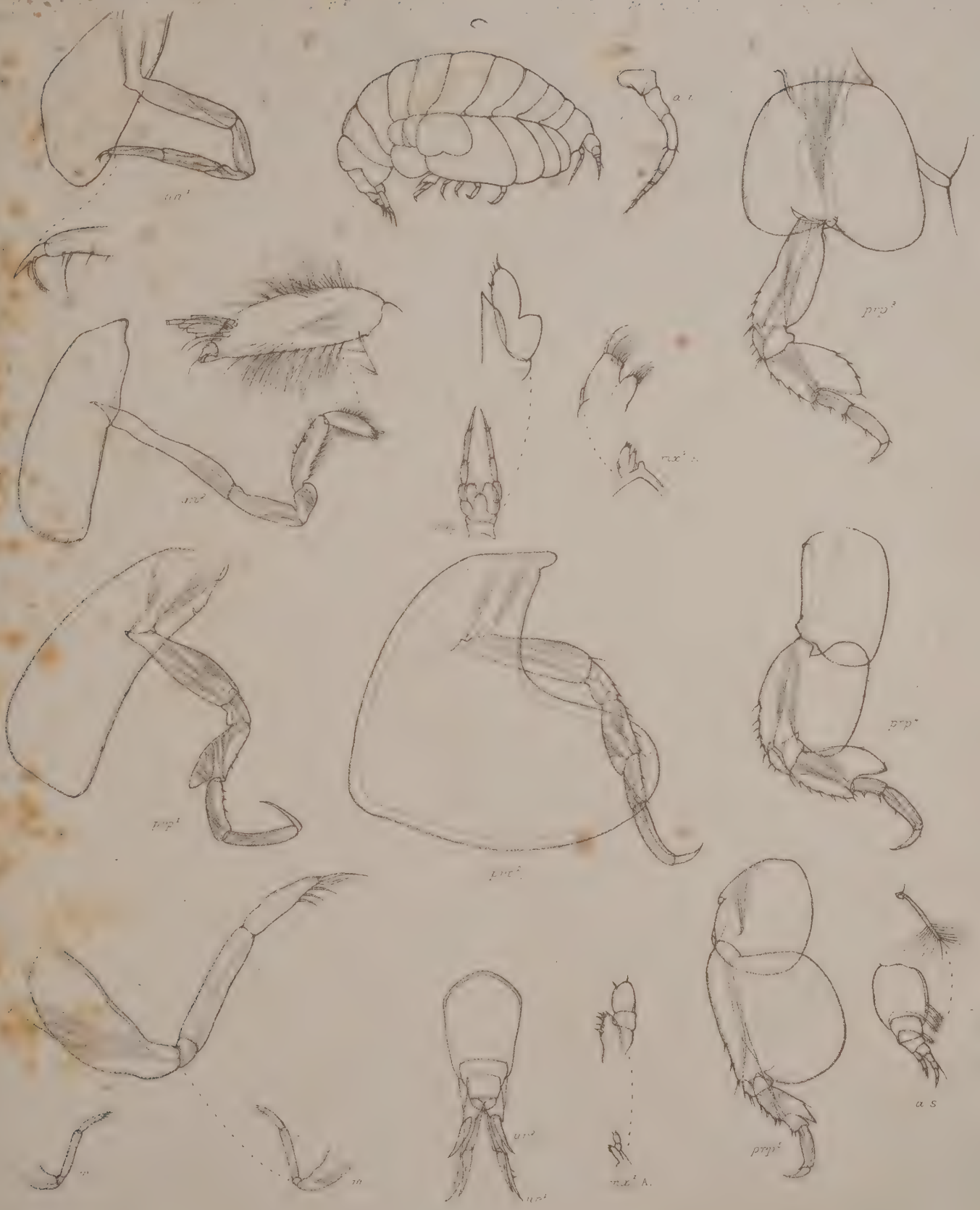
PLATAMON LONGIMANUS, n. g. et sp.

ONESIMOIDES CARINATUS, n. g. et sp.



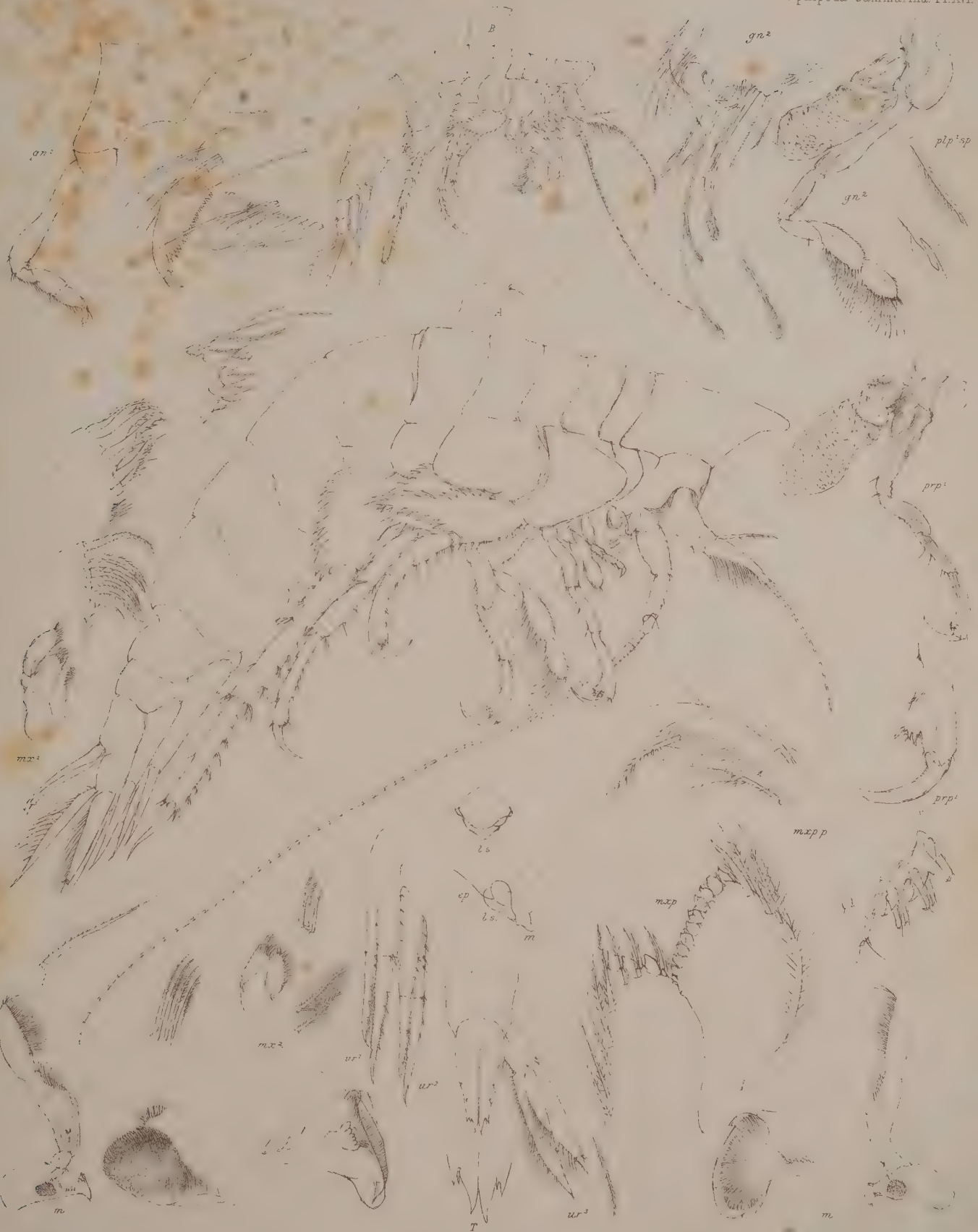
T.R.R. Stebbing del. W. H. Crowther lith.

SOPHROSYNE MURRAYI, n. g. et sp



J.T.Rennie Reid, Lith Edin.

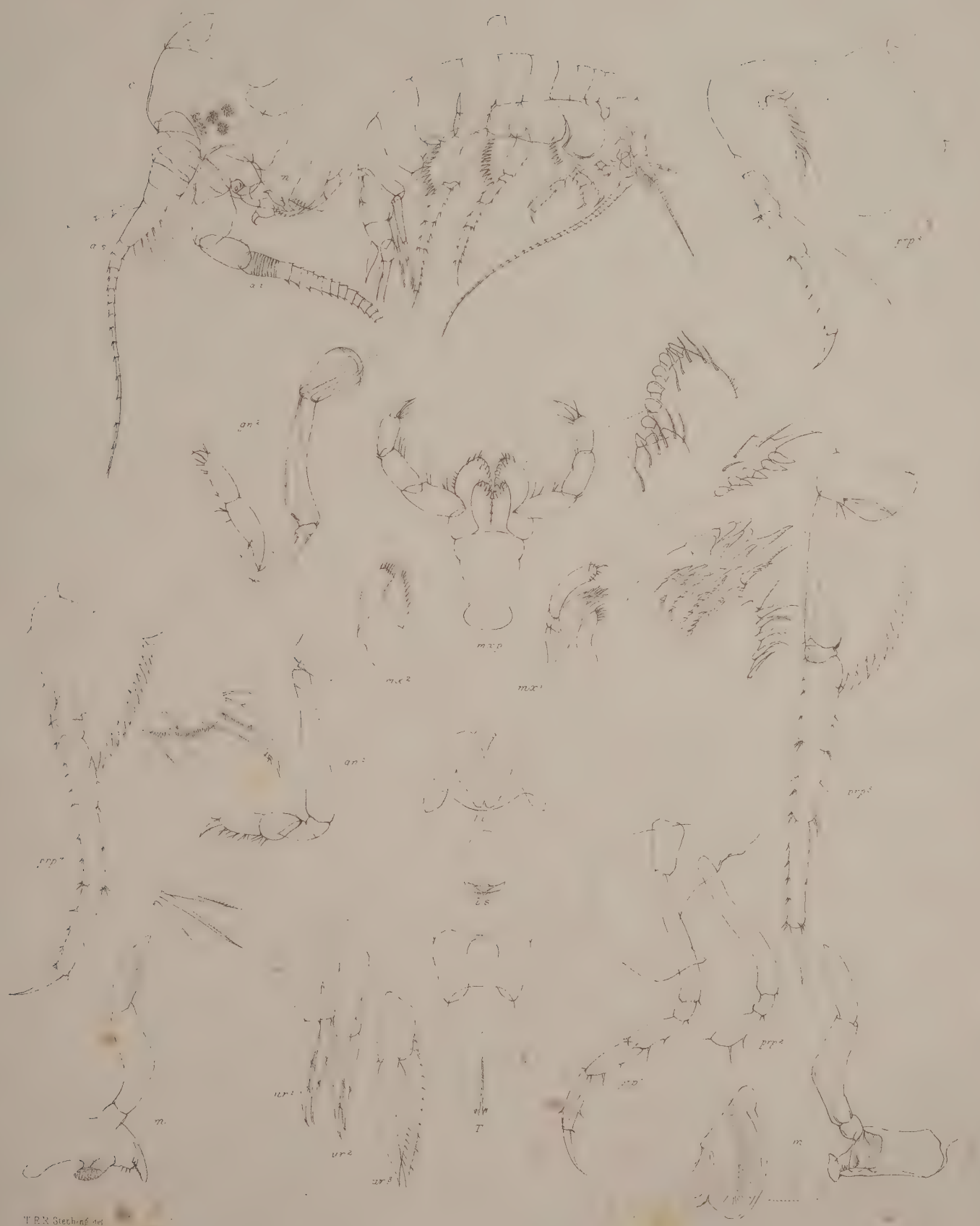
KERGUELENIA COMPACTA, n. g. et sp.



T.R.R. Stebbing del.

F Huth, Lith^r Edin^r

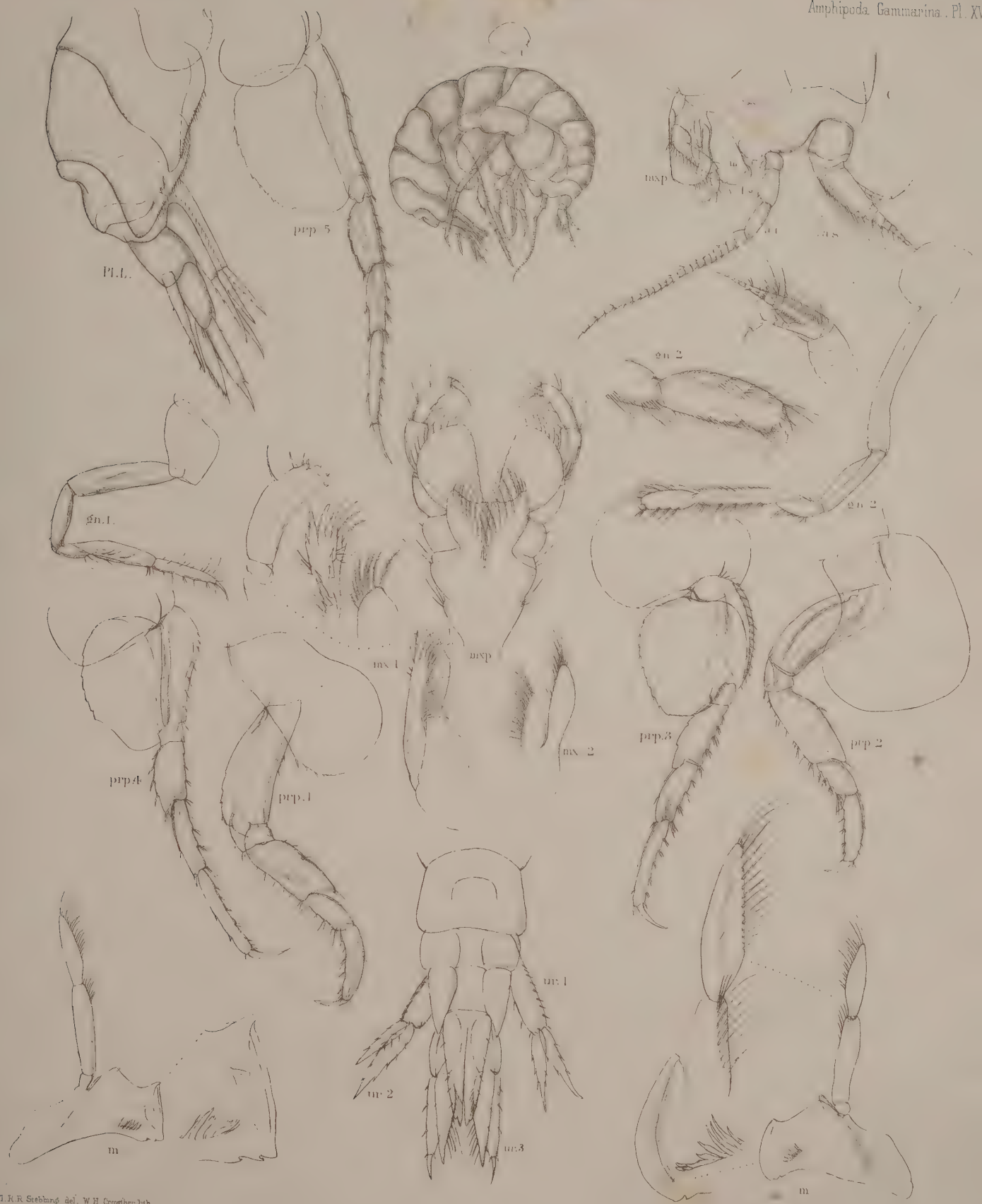
CYPHOCARIS MICRONYX, n.sp.



T.R.R. Stebbing del.

F. Huth, Lith^r Edin^r

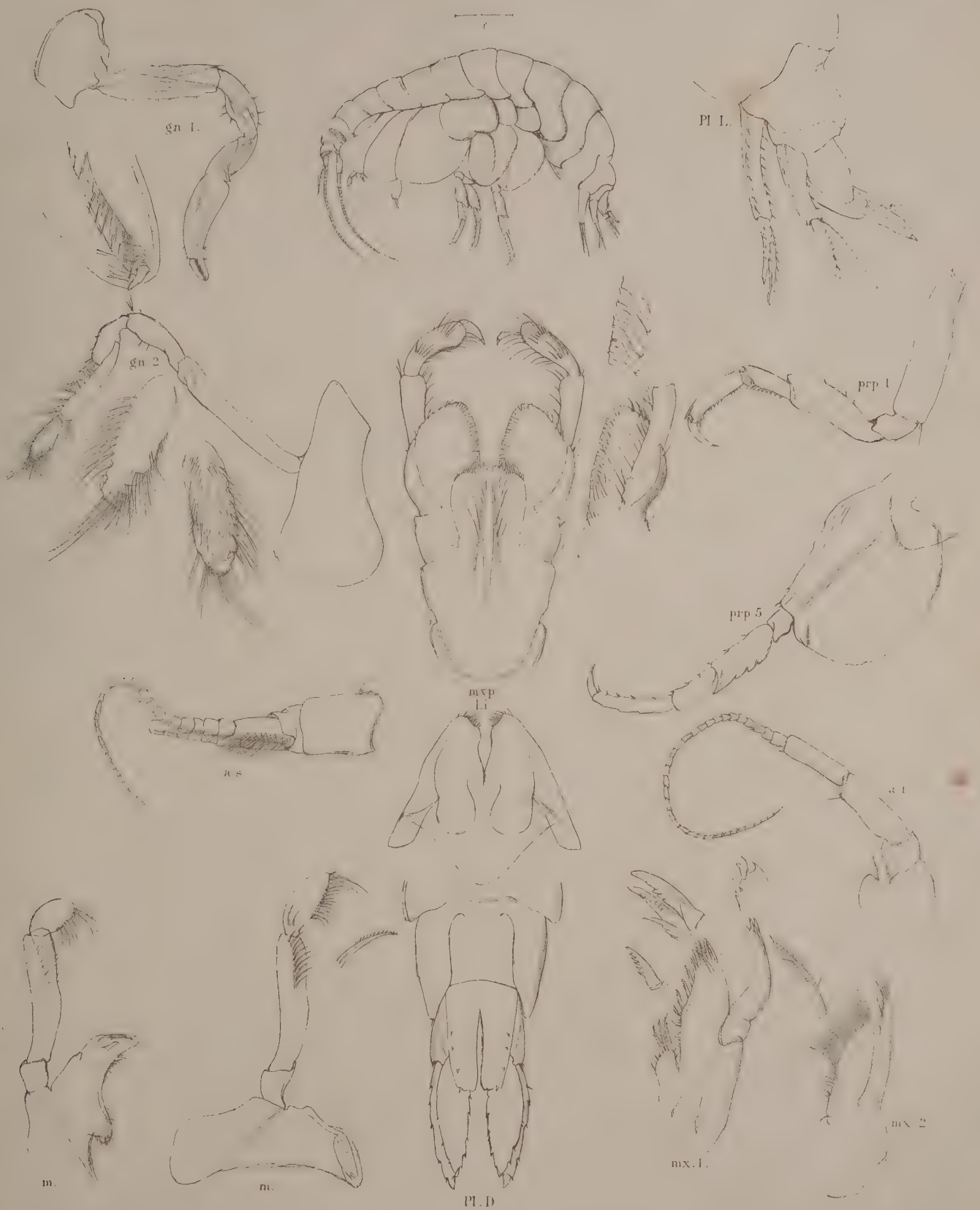
CYPHOCARIS CHALLENGERI, n. sp.



J.R.R. Stebbing del. W.H. Crowther lith.

Mintern Bros. imp.

CYCLOCARIS TAHITENSIS, n. g. et sp.

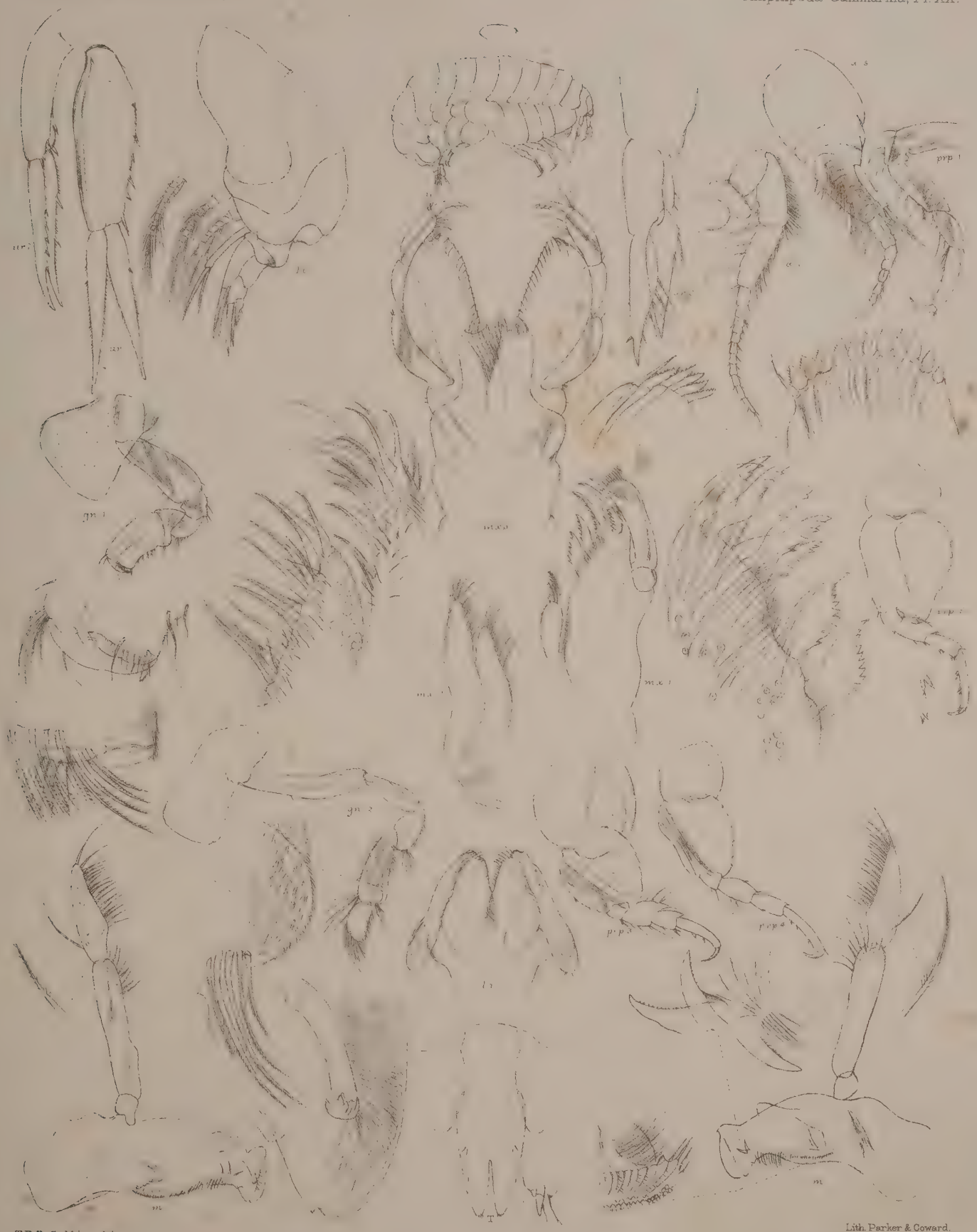


Pl. D

T.R.R. Stebbing del. F.H. Michael lith

Mintern Bros. imp.

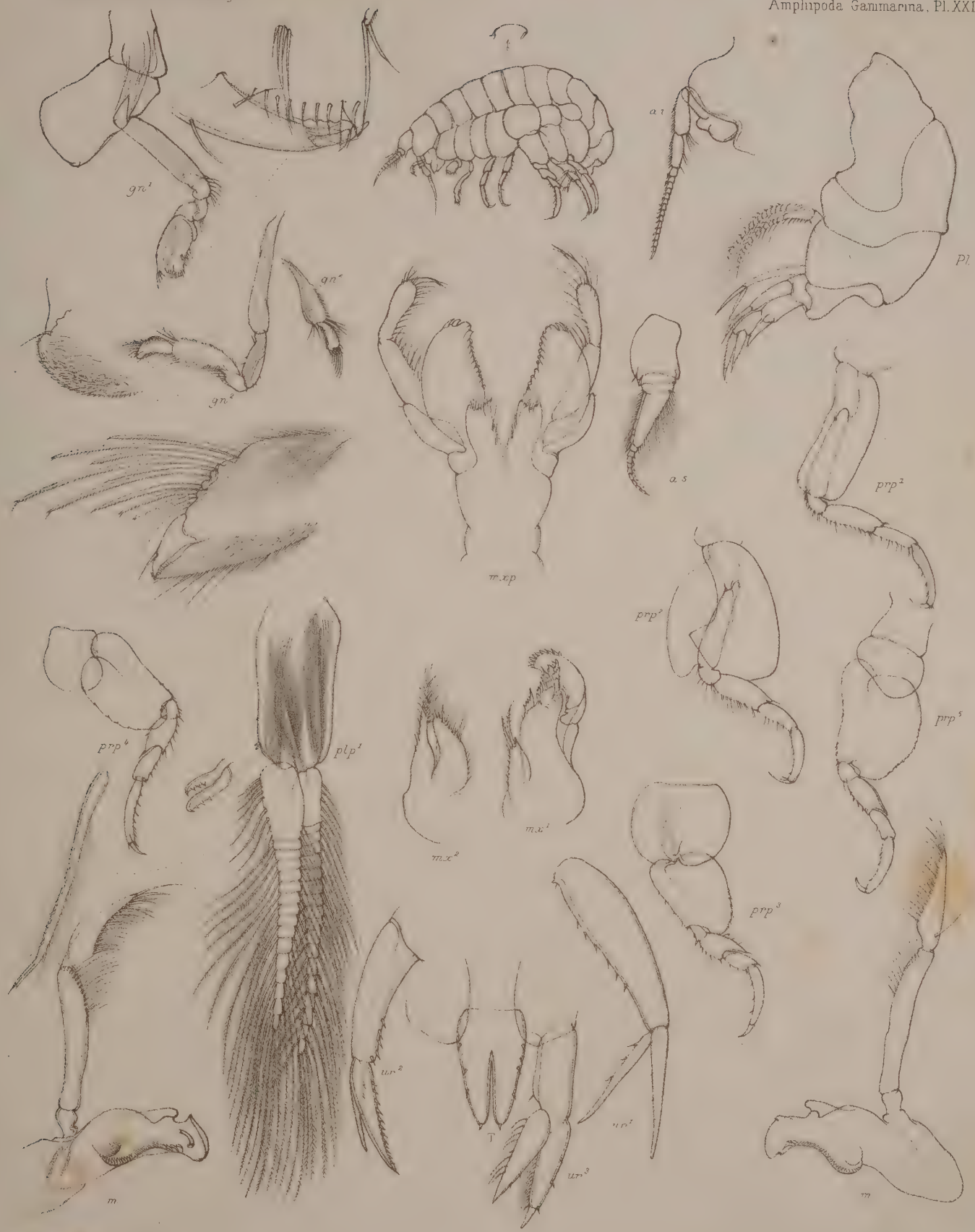
EUONYX NORMANI, n. sp.



T.R.R. Stebbing del.

Lith. Parker & Coward.
West, Newman & Co. imp.

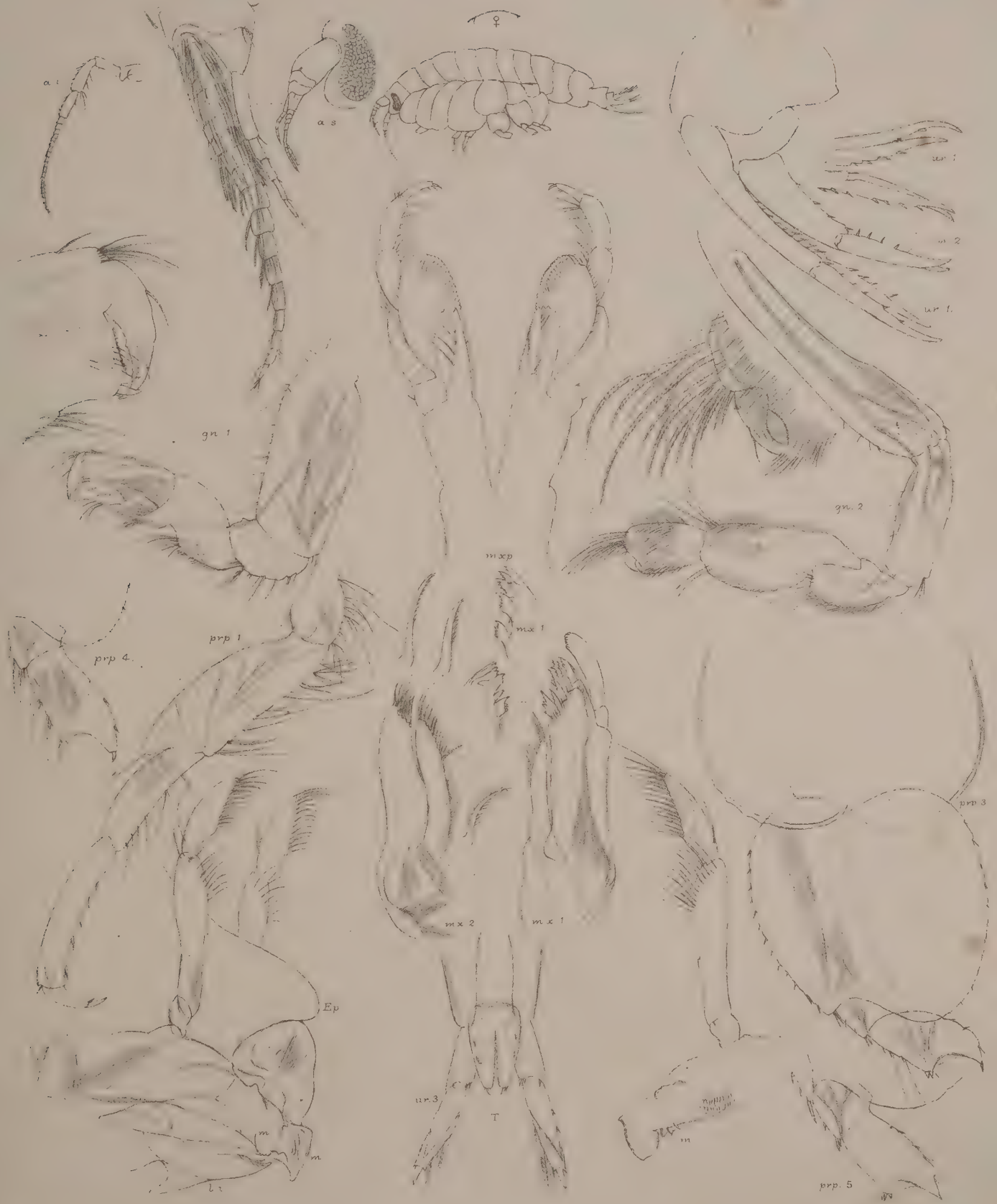
ORCHOMENE MUSCULOSUS, n. sp.



T.R.R.Stebbing, del.

Reid & Lowie, Lith.

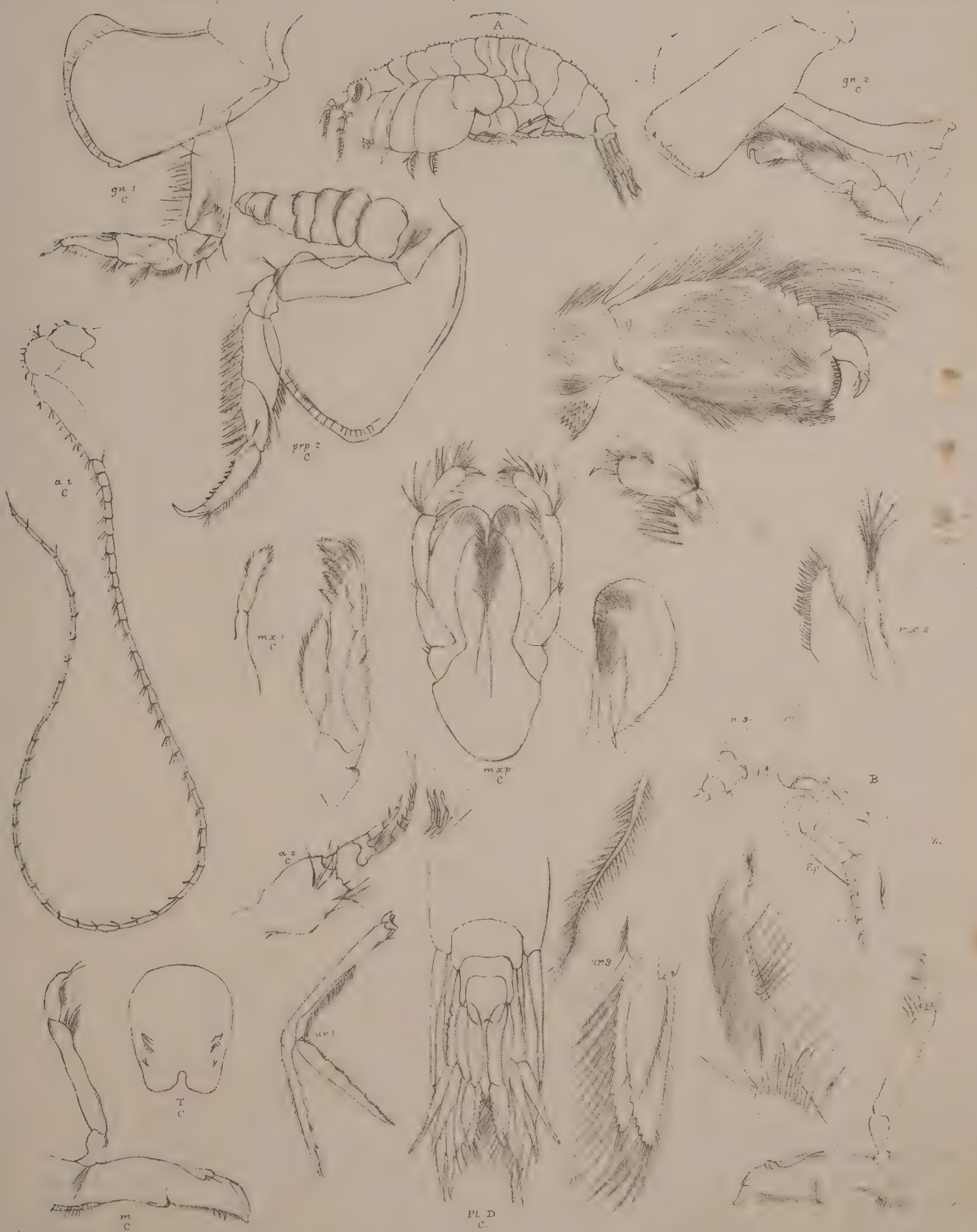
ORCHOMENE ABYSSORUM, n. sp.



T.R.R. Stebbing del.

Lith Parker & Coward.
West, Newman C°. imp.

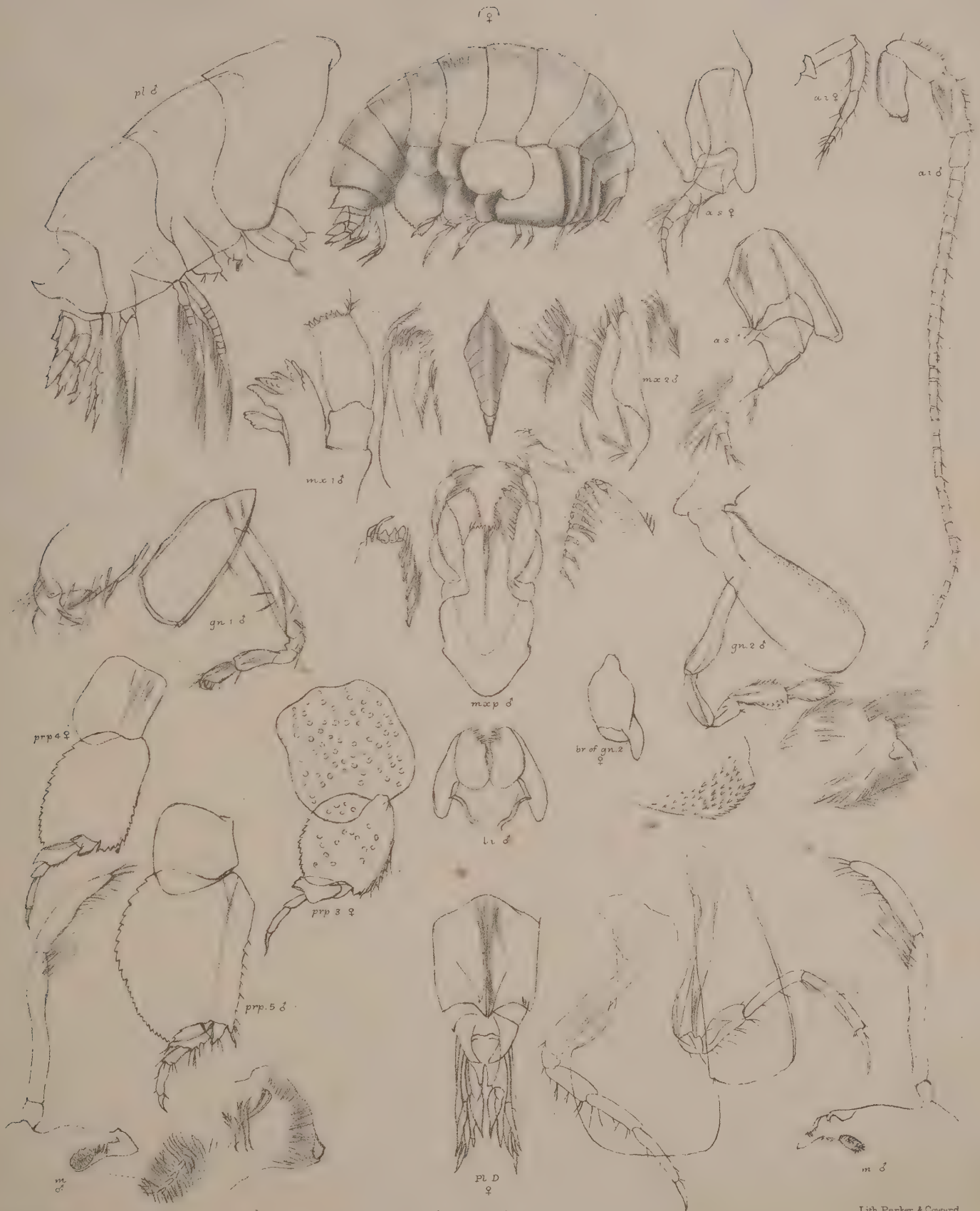
ORCHOMENE CAVIMANUS, n. sp.



T.R.R. Stebbing del.

Lith. Parker & Coward
West, Newman & Co imp

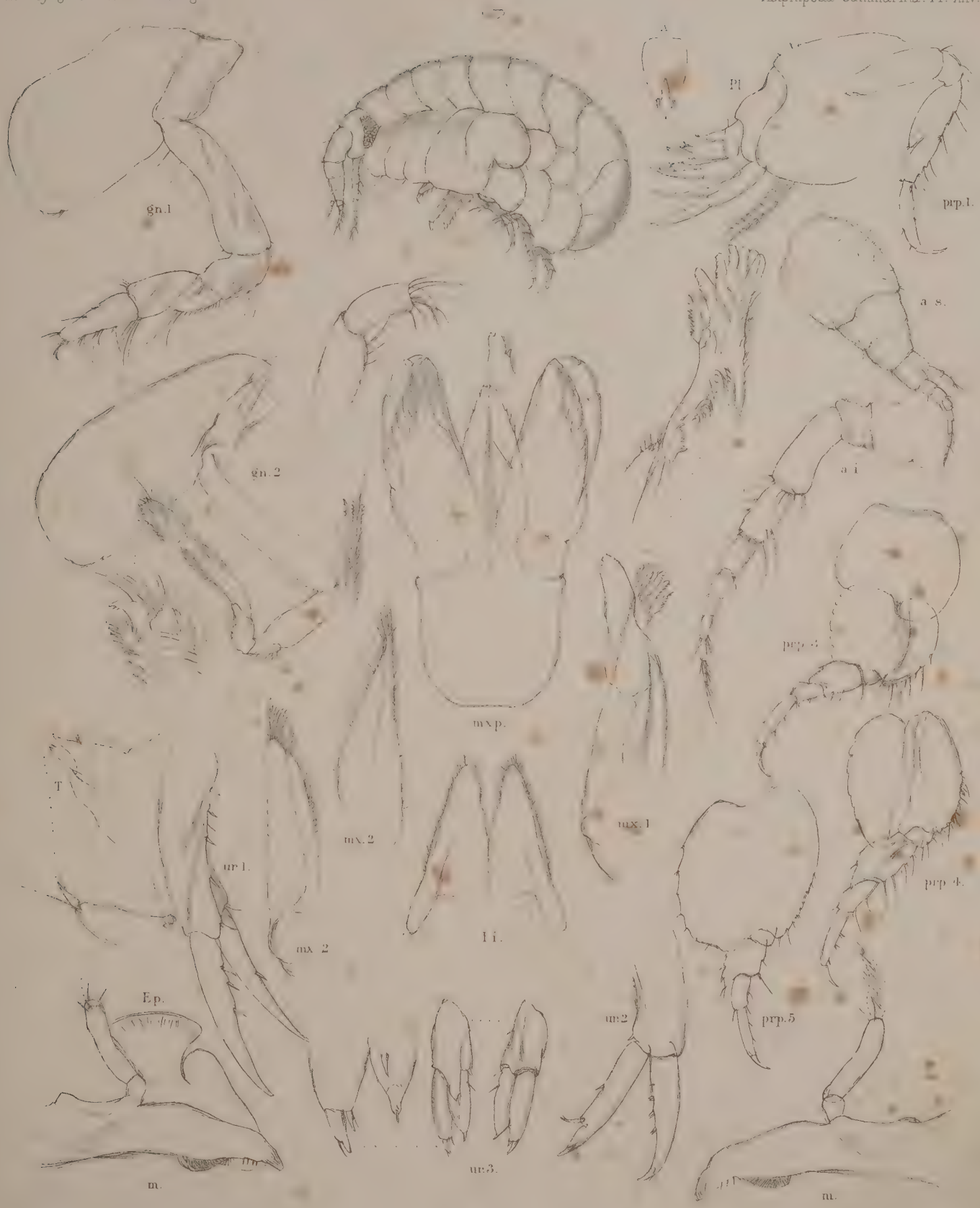
LYSIANAX VARIEGATUS, Stimpson.



T.R.R. Stebbing del.

Lith. Parker & Coward.
West, Newman & Co. imp.

LEPIDEPECREUM FORAMINIFERUM, n. sp.



T.R.R. Stebbing del. F.H. Michael lith

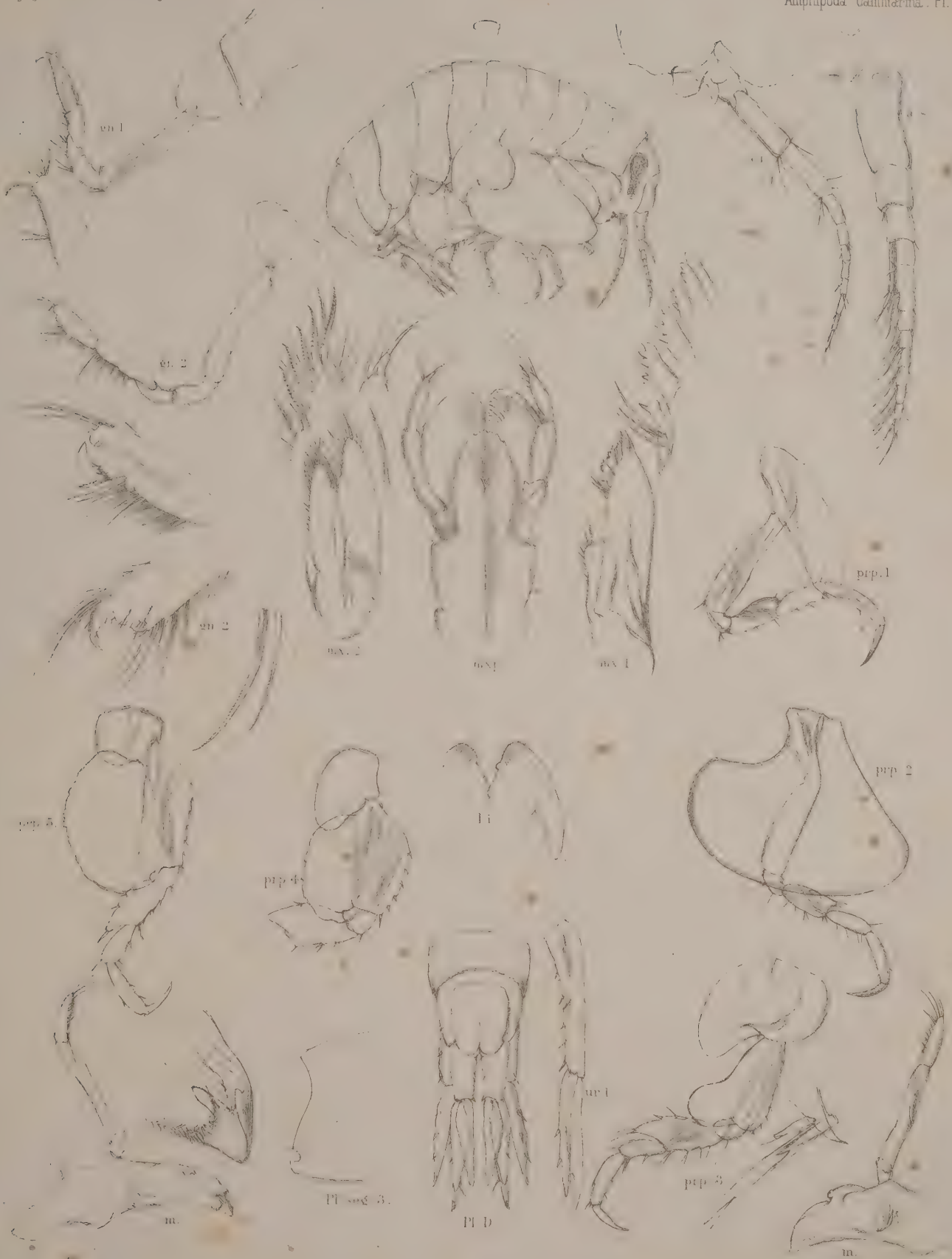
Mintern Bros. imp.

SOCARNOIDES KERGUELENI, n.g. et sp.

T.R.R. Scobbing, del.

AMBASIA INTEGRICAUDA, n. sp.

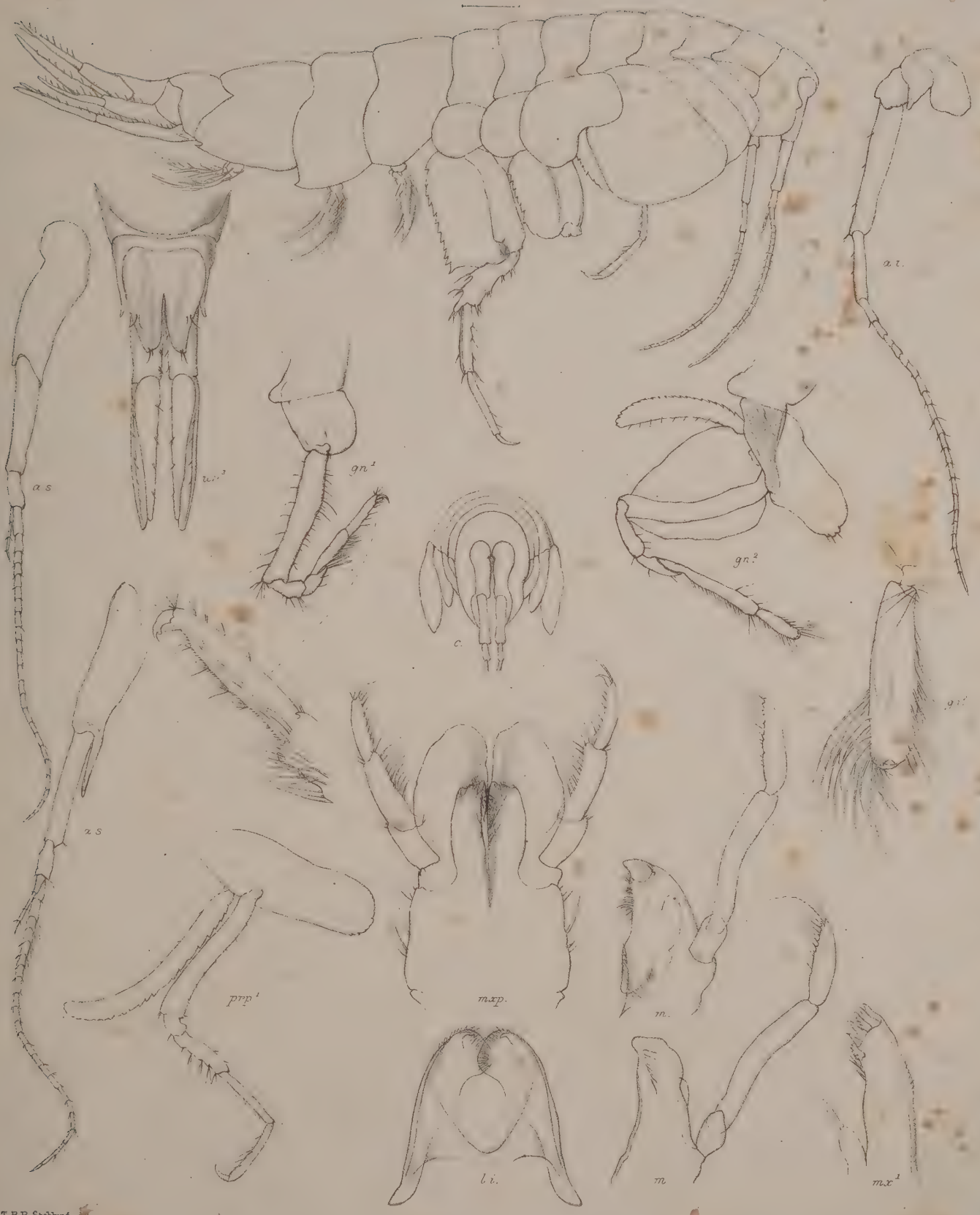
M^cFarlane & Erskine, Lith^rs Edin^r



T. R. R. Stebbing del. F. H. Michael lith.

Mintern Bros. imp.

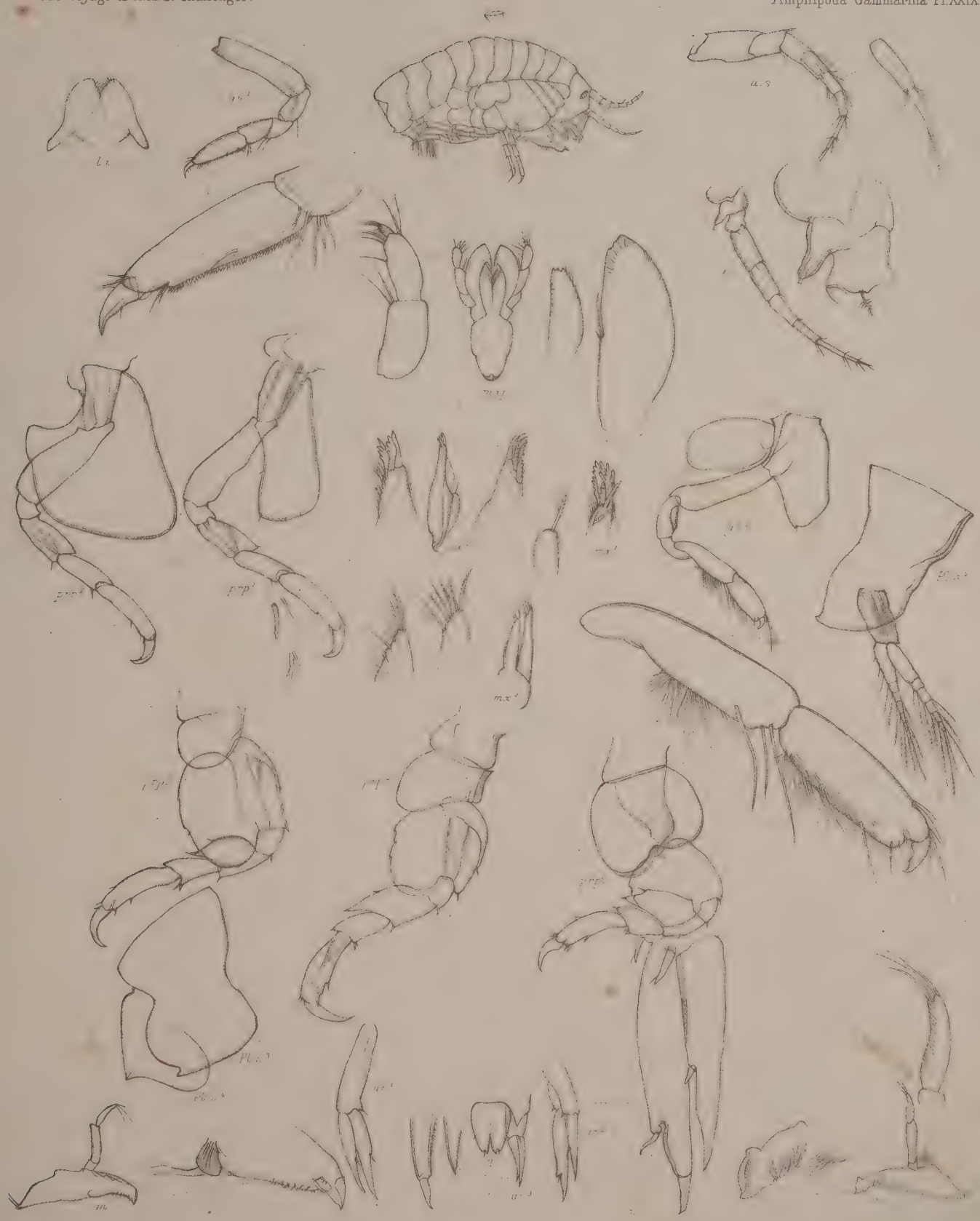
AMARYLLIS BATHYCEPHALUS, n. sp.



T.R.R. Stebbing, del.

McFarlane & Erskine, Lith.rs Edin.r

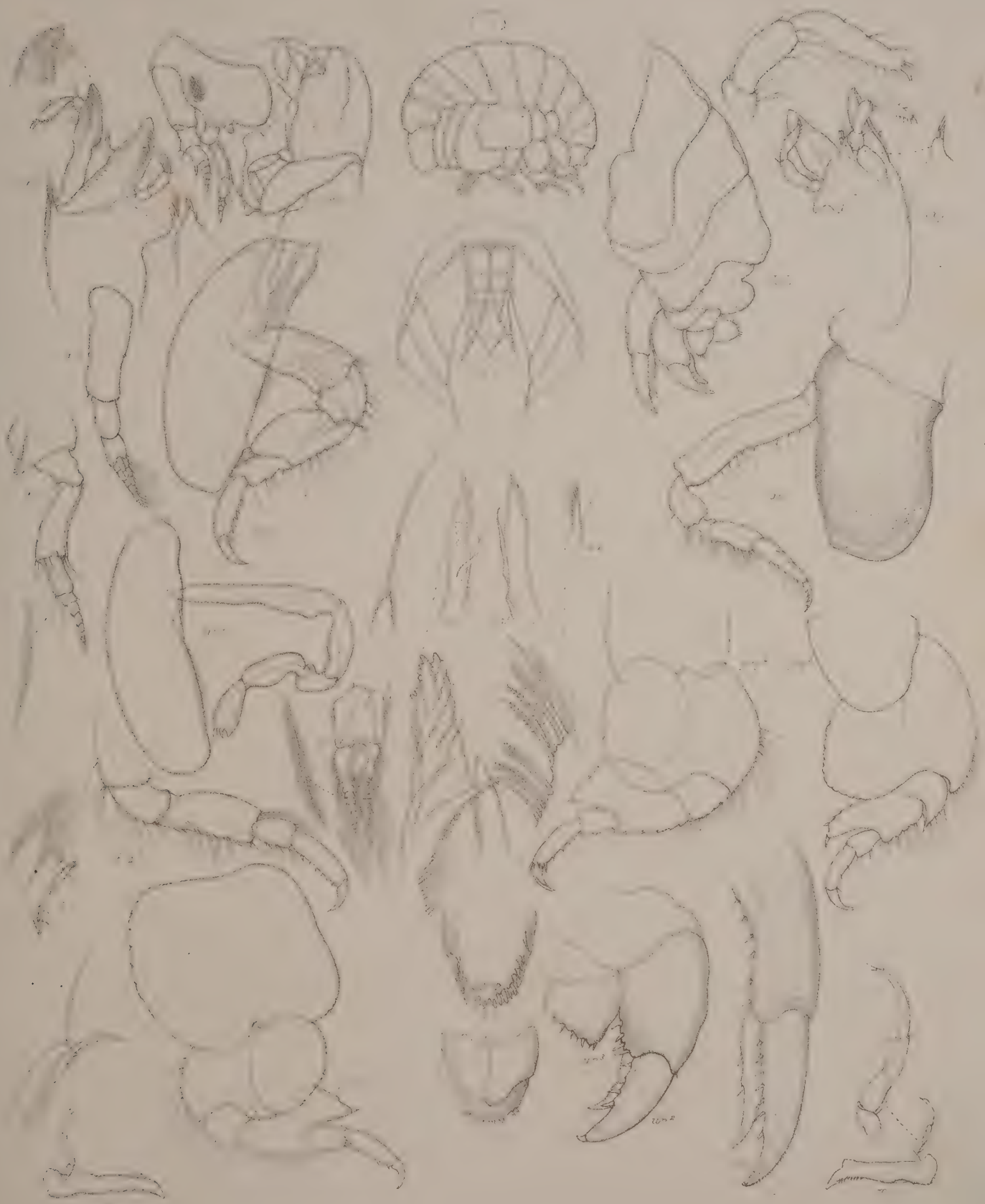
AMARYLLIS HASWELLI, n. sp



T.R.R. Stebbing, del.

McFarlane & Erskine, Lith.ts Edin.r

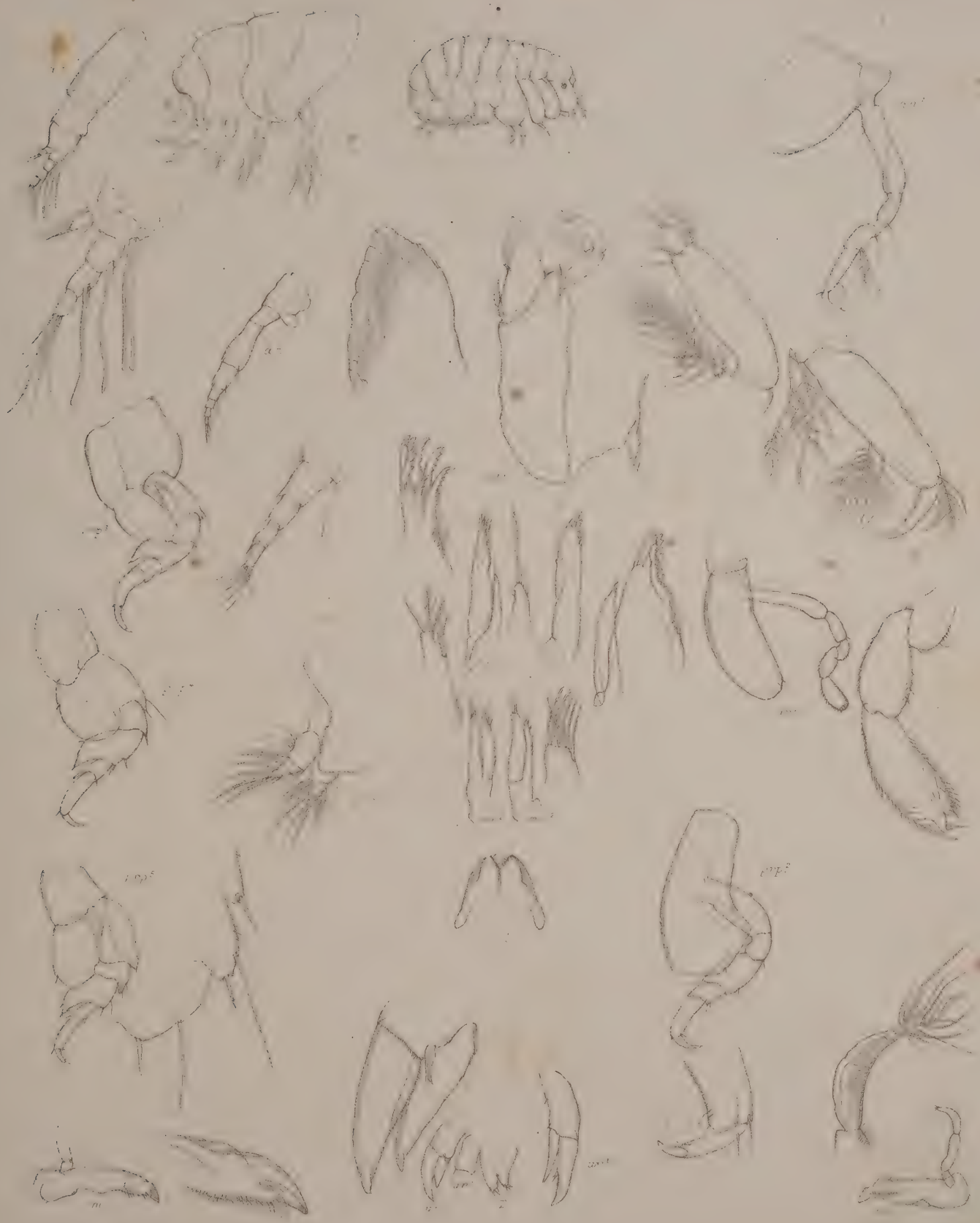
AMARYLLIS MACROPHTHALMUS, Haswell.



T.R.R. Stebbing, del.

Read & Cowie Lith. Edin.

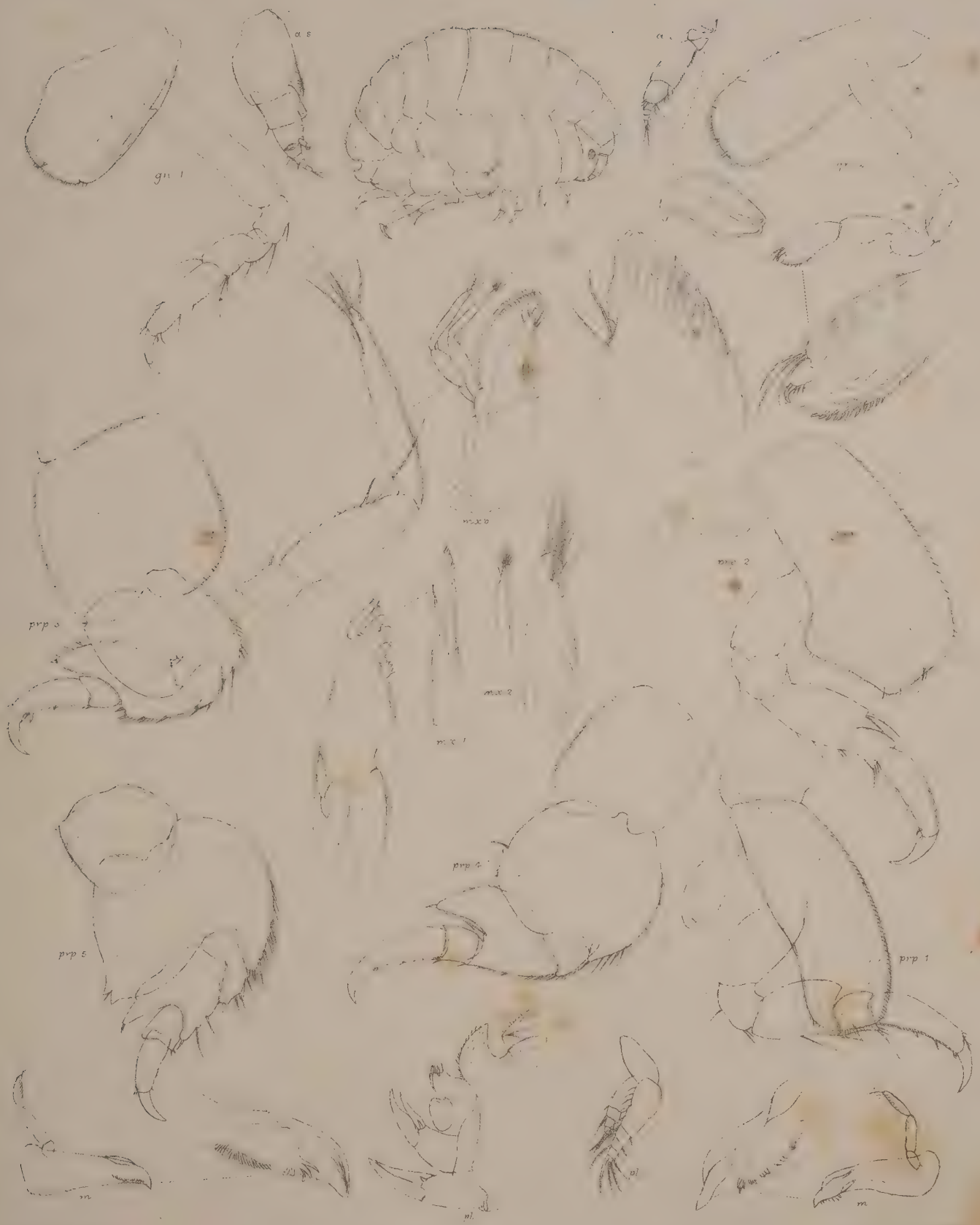
ACONTIOSTOMA MARIONIS, n.g. et sp.



T.R.R. Stebbing, del.

M^c Farlane & Erskine, Lith^rs Edin^r

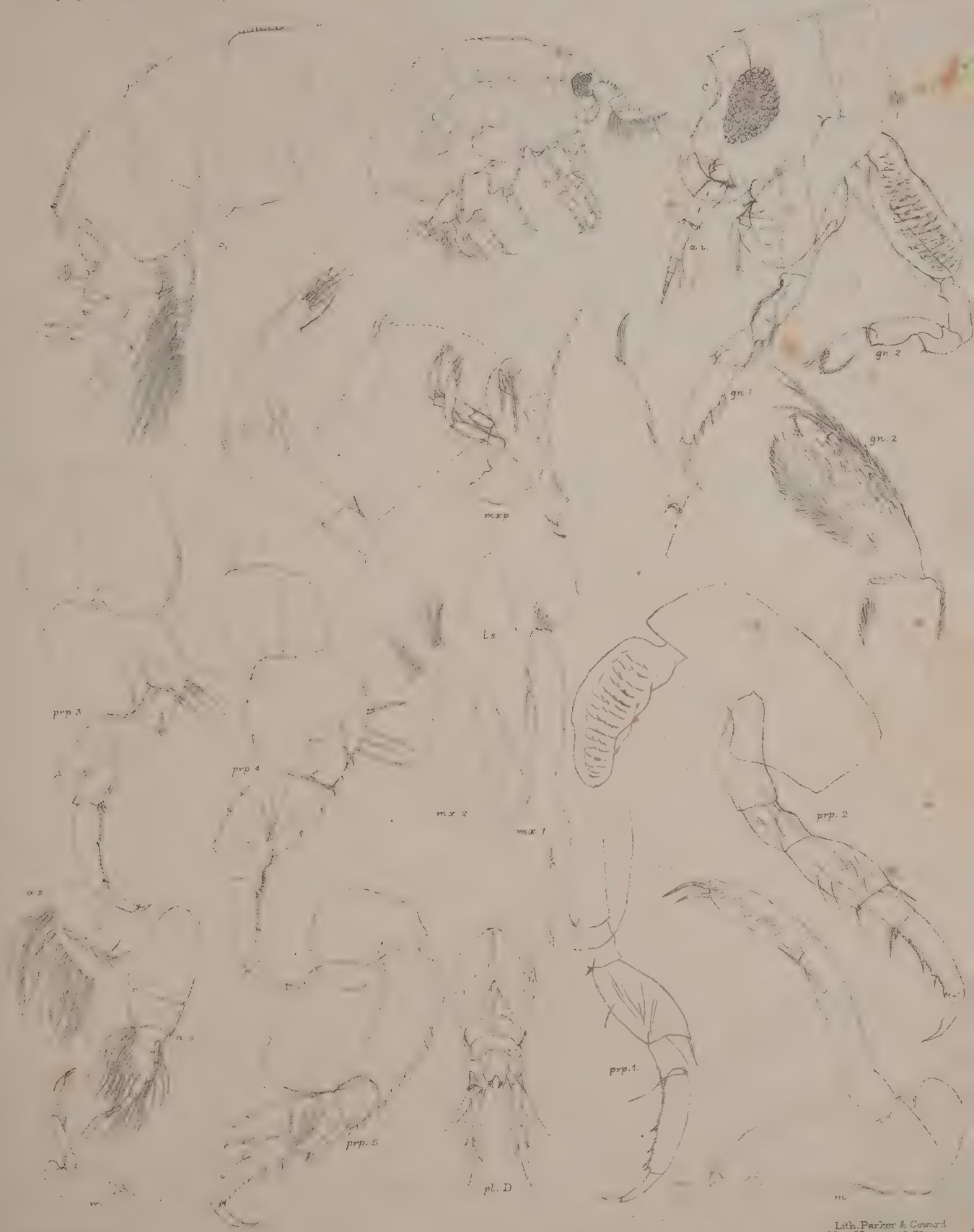
ACONTIOSTOMA MAGELLANICUM, n. sp.



T.R.R. Stebbing del

Lith. Parker & Coward
West, Newman & Co. imp

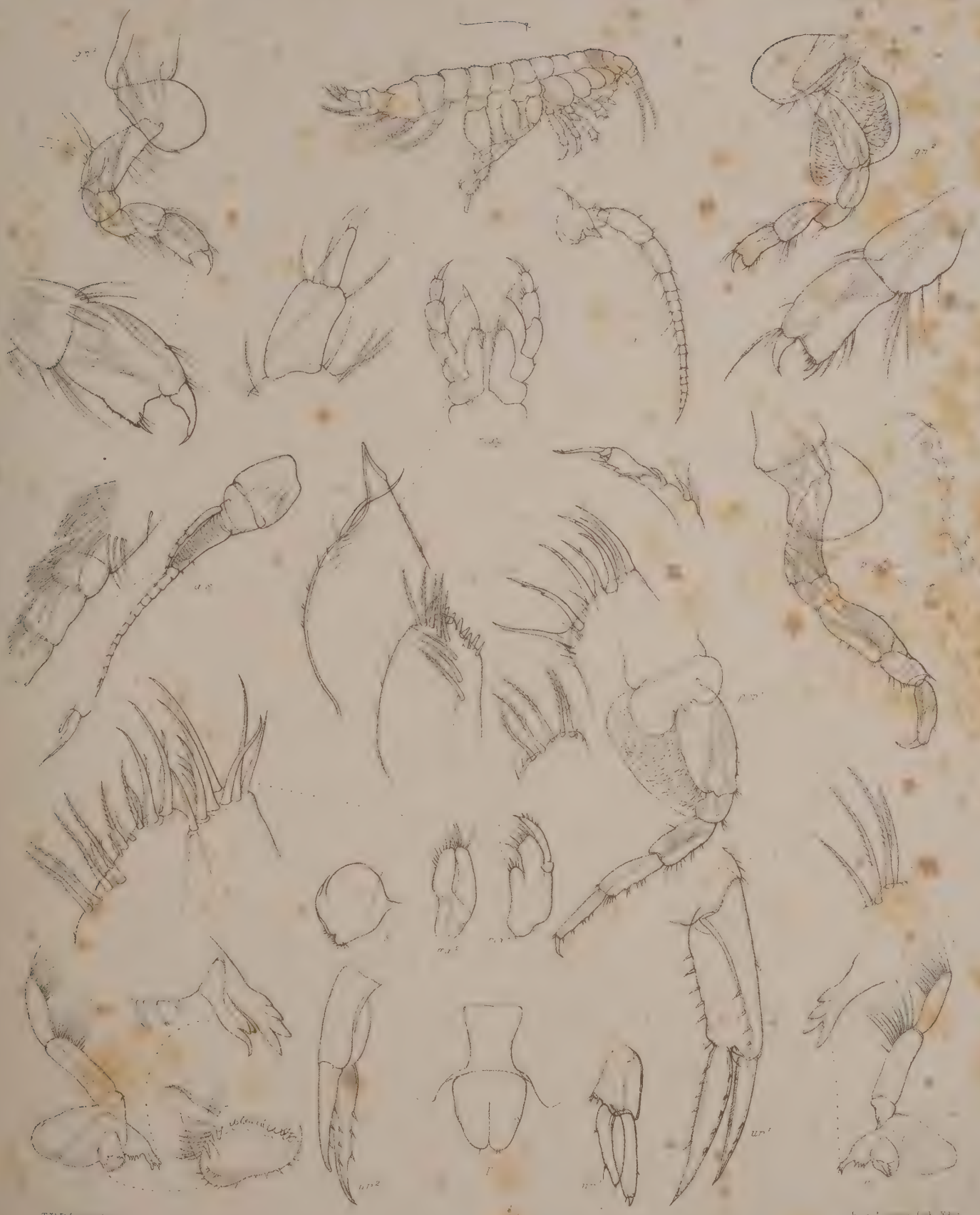
ACONTIOSTOMA PEPINII, n. sp.



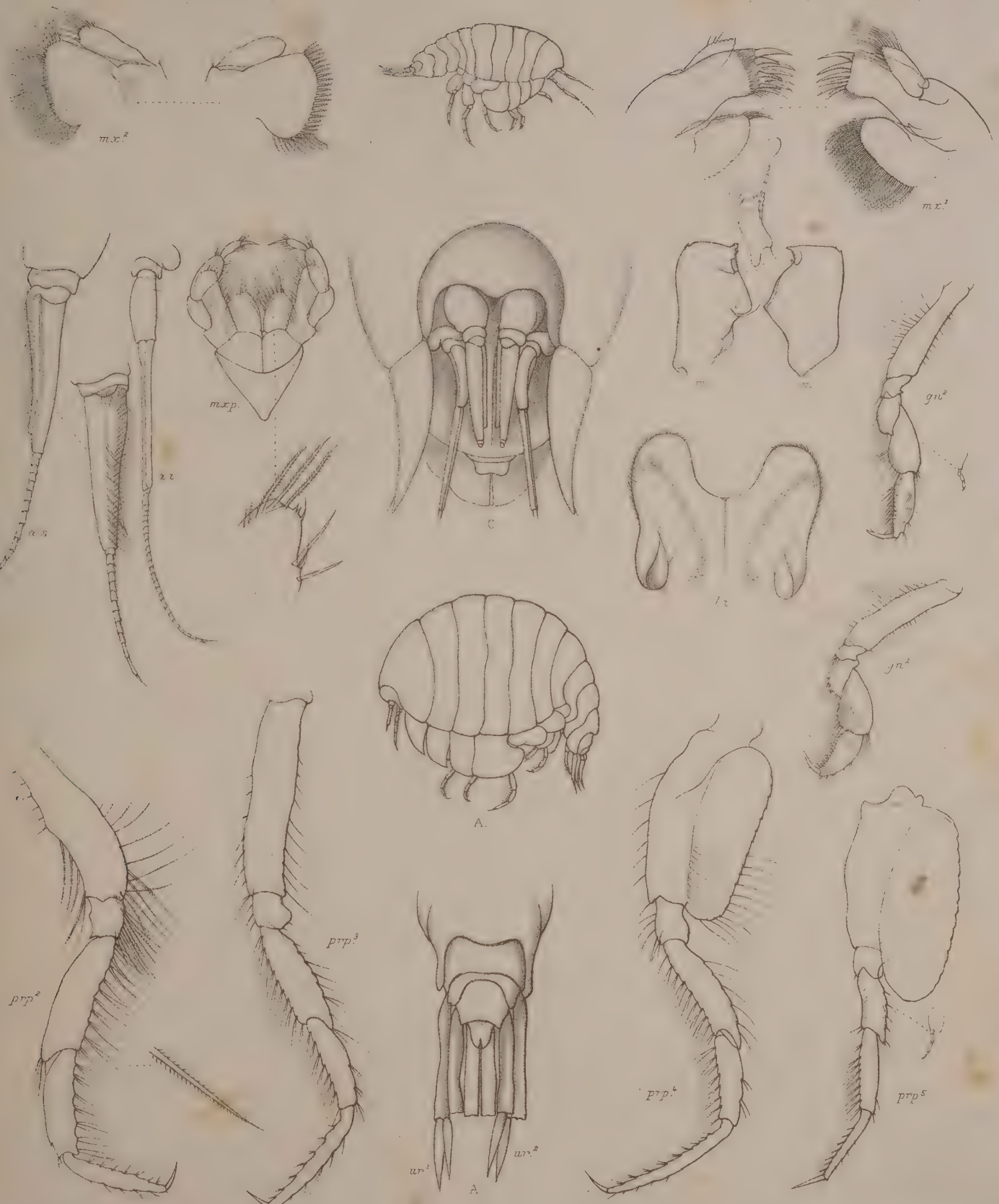
T.R.R. Stebbing del

Lith. Parker & Coward
West, Newman & Co imp.

ACONTIOSTOMA KERGUELENI, n. sp.



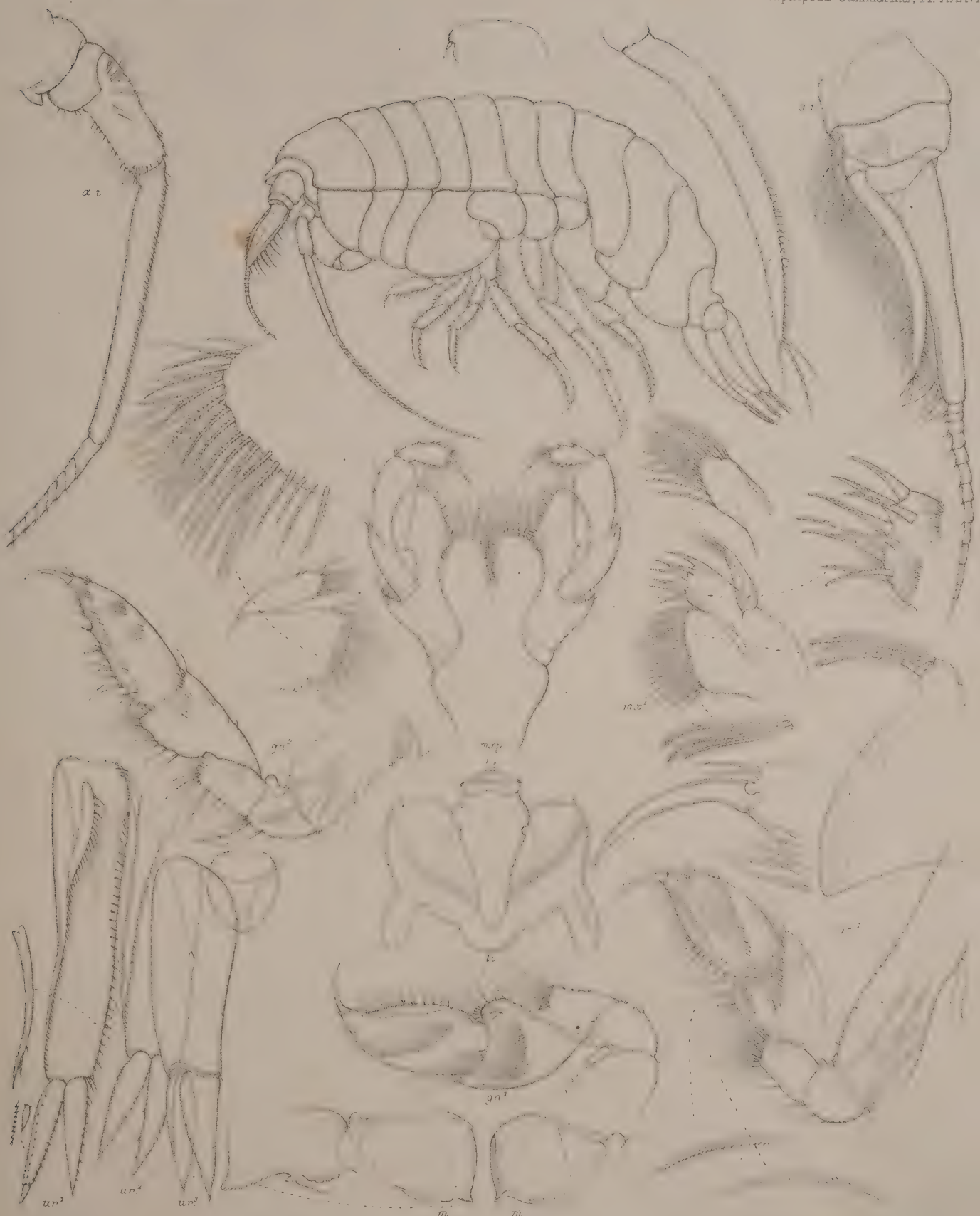
VALETTIA COHERES, n.g. et sp.



T.R.R. Stebbing, del.

Reid & Cowie, lith. Edin.

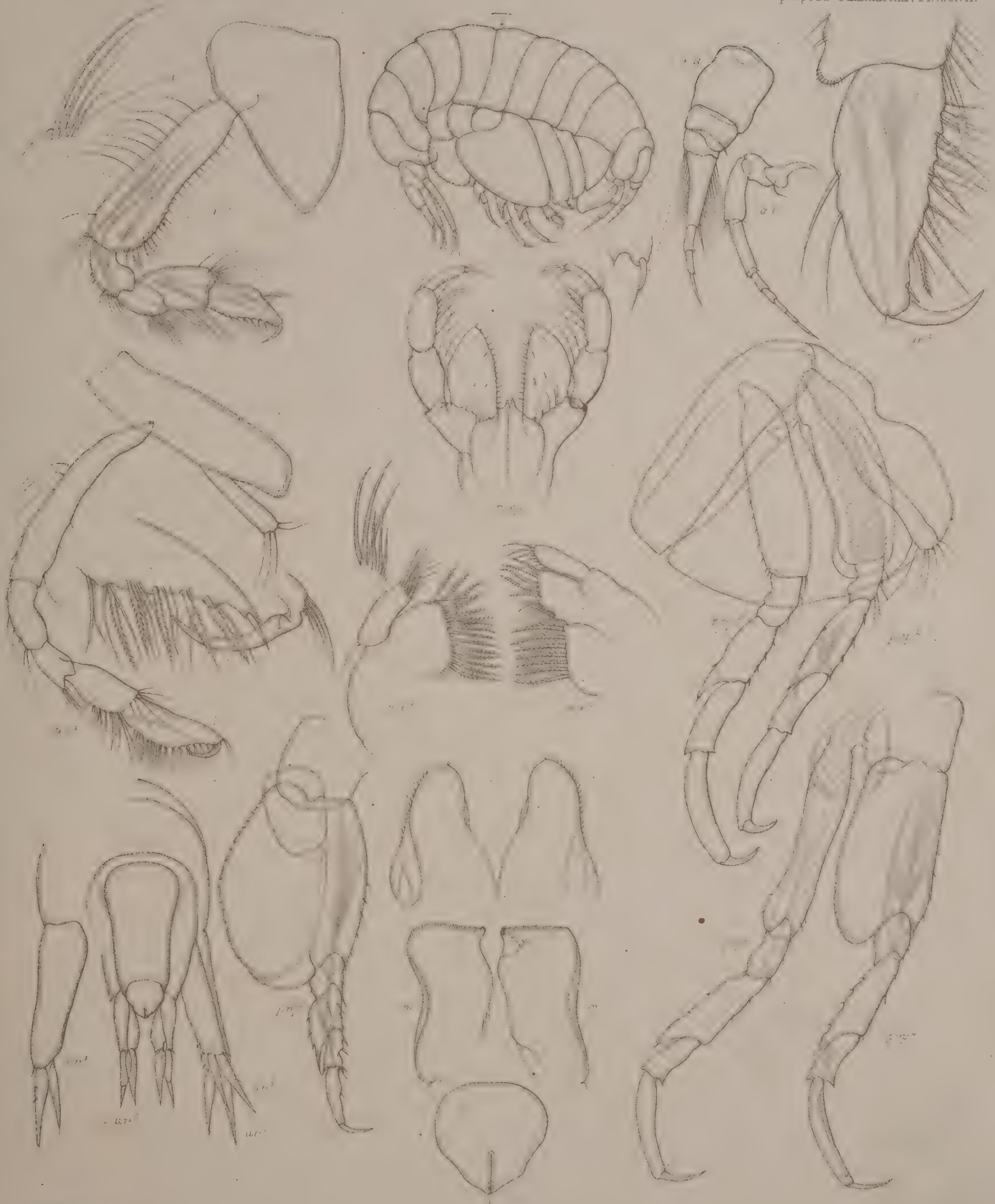
ANDANIA GIGANTEA, n. sp.



TRR Stebbing, del

Reid & Cowie, Lith Edin^r

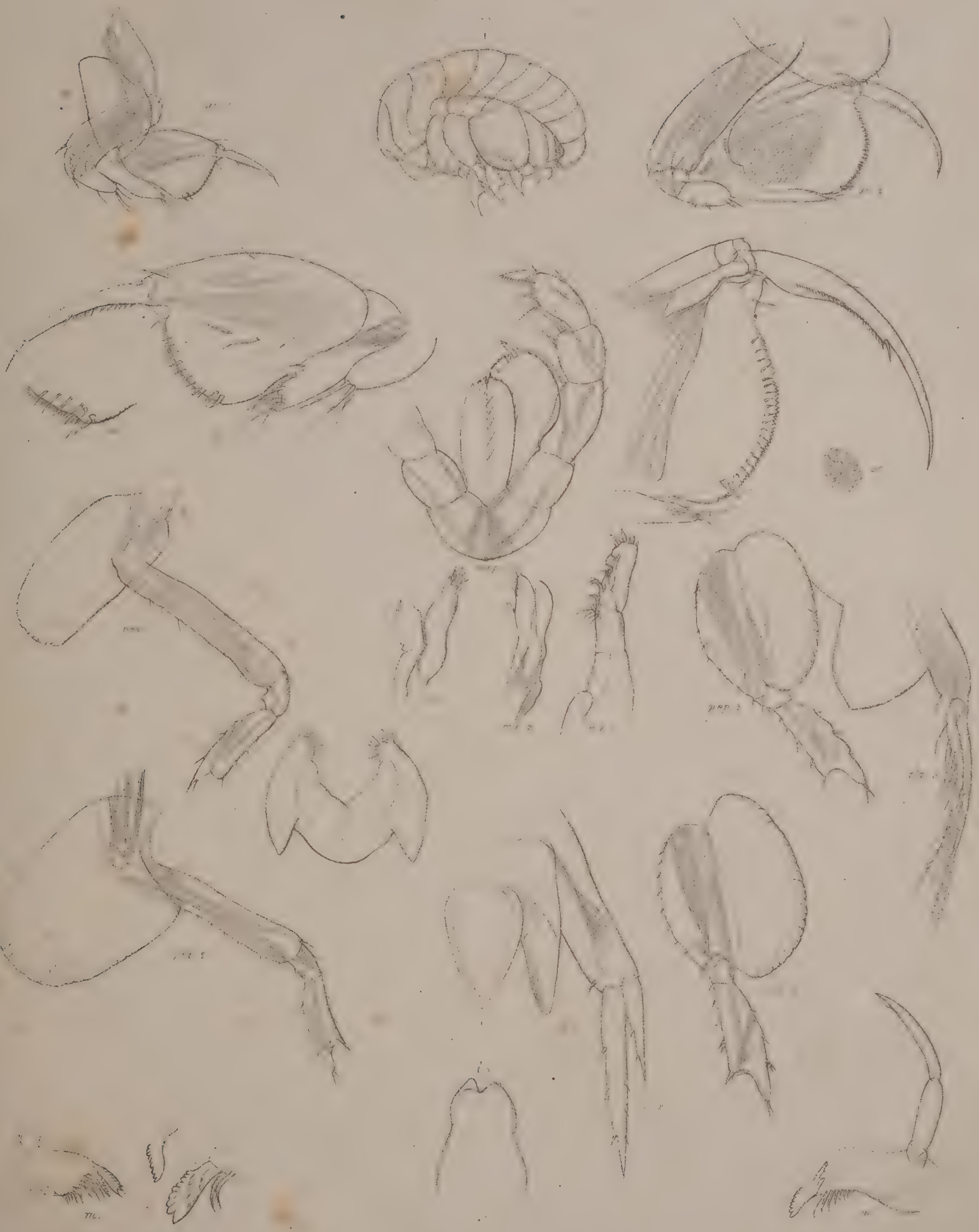
ANDANIA BOECKI, n. sp.



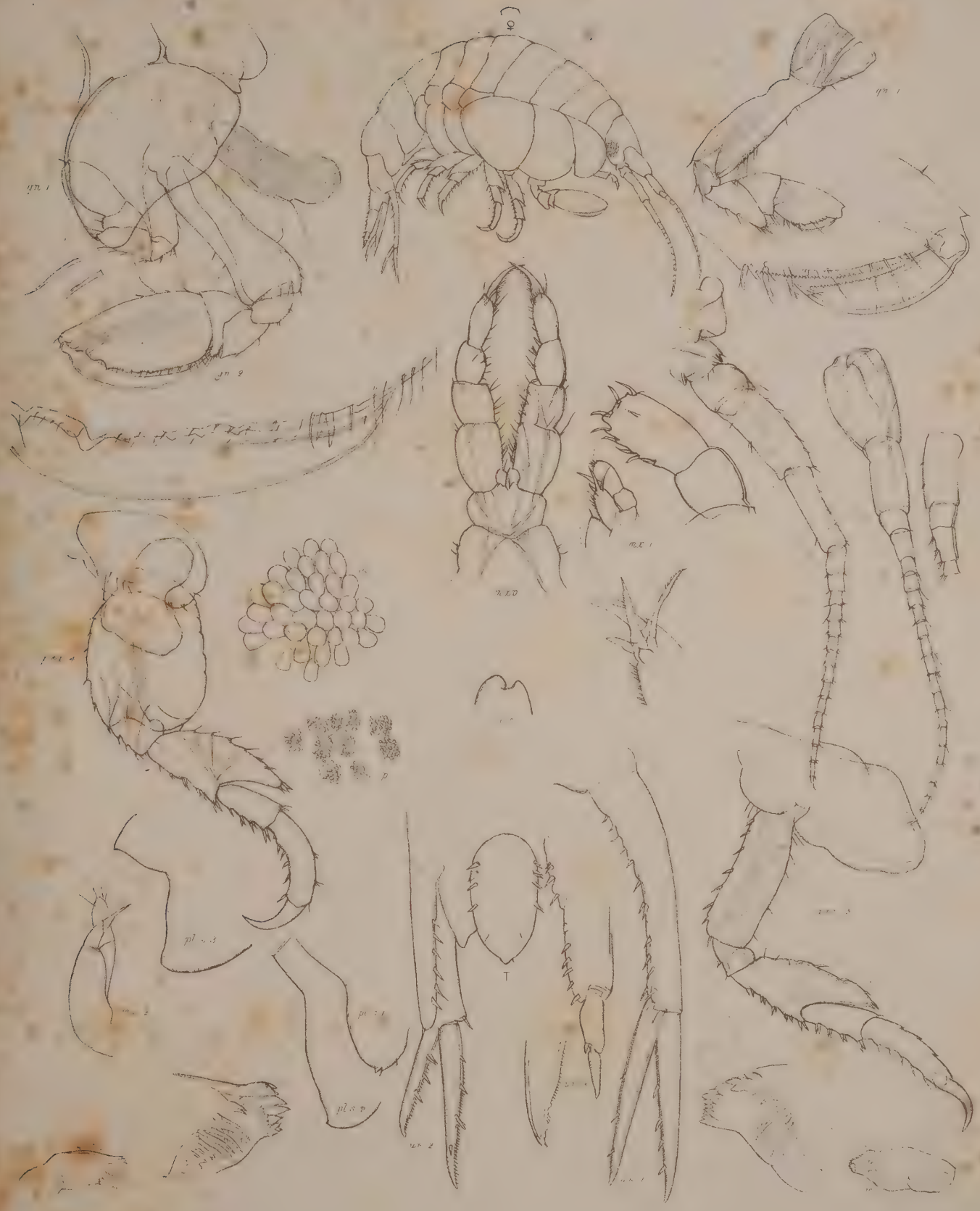
T.R.B. Stebbing, del.

Reid & Cowie, lith.

ANDANIA ABYSSORUM, n. sp.



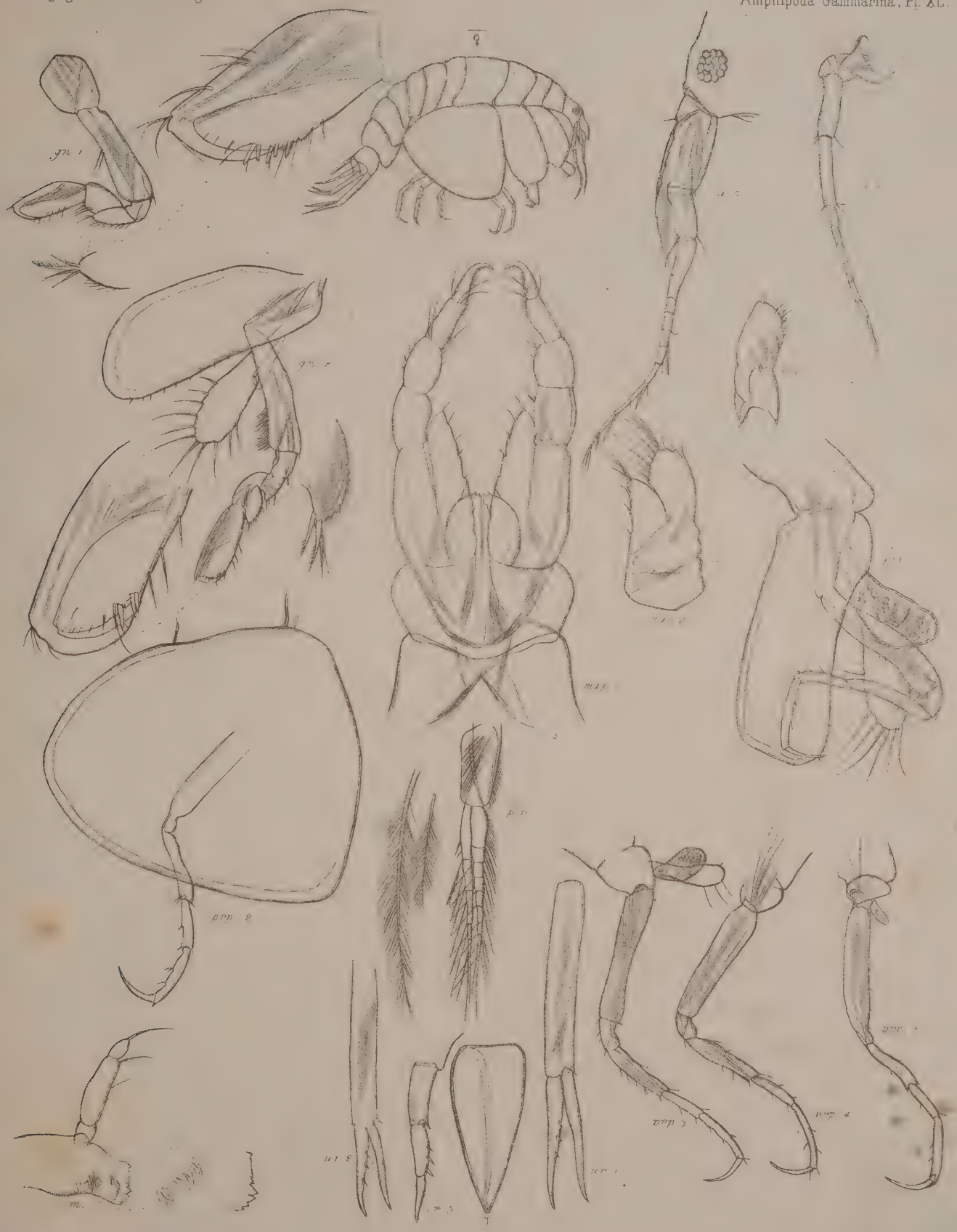
AMPHILOCHUS MARIONIS, n. sp.



T R R Stebbing, del.

STENOTHOË ADHÆRENS, n. sp.

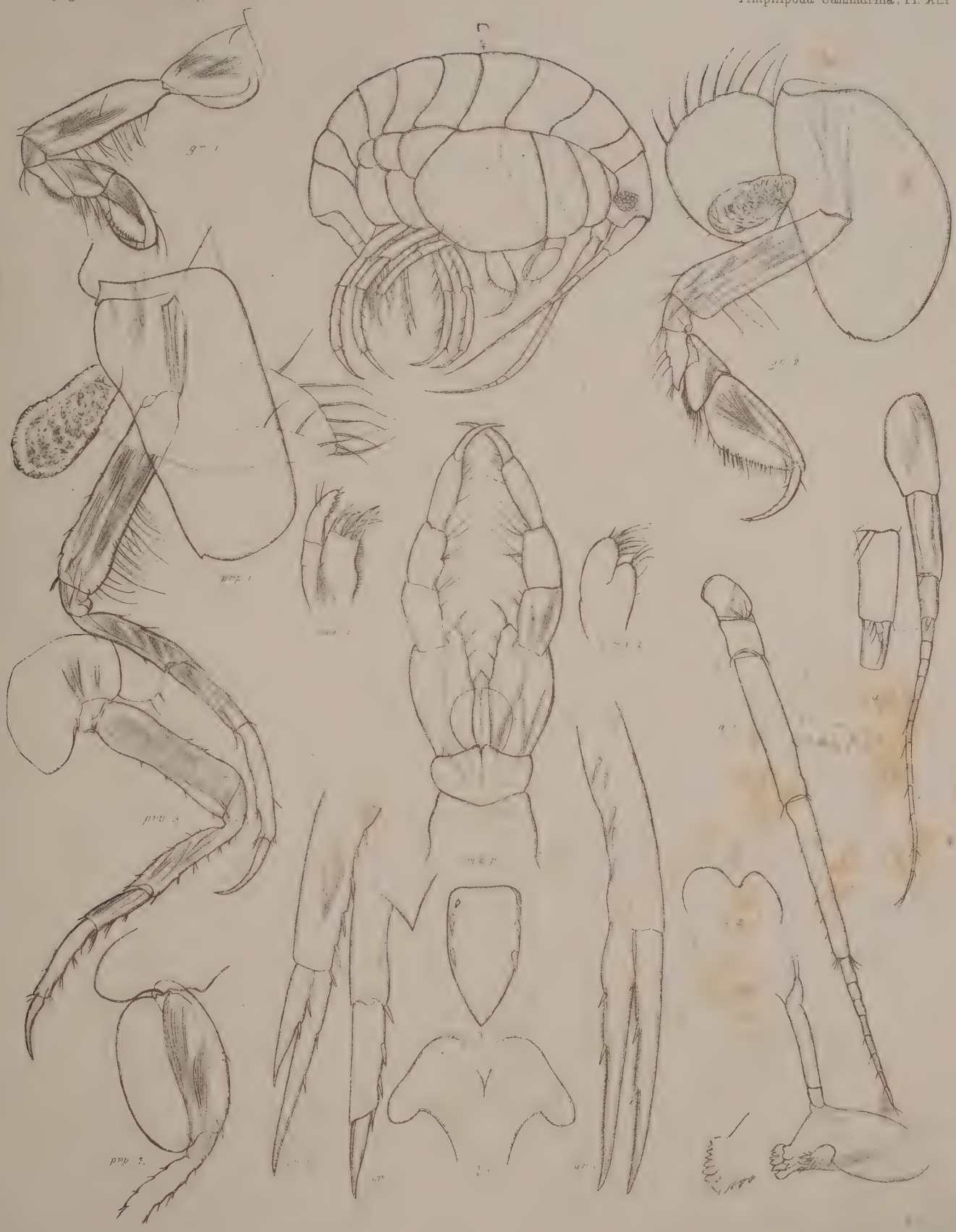
M'Farlane & Erskine, Lith.rs Edinr



T R R. Stebbing, del.

METOPA NASUTIGENES, n. sp.

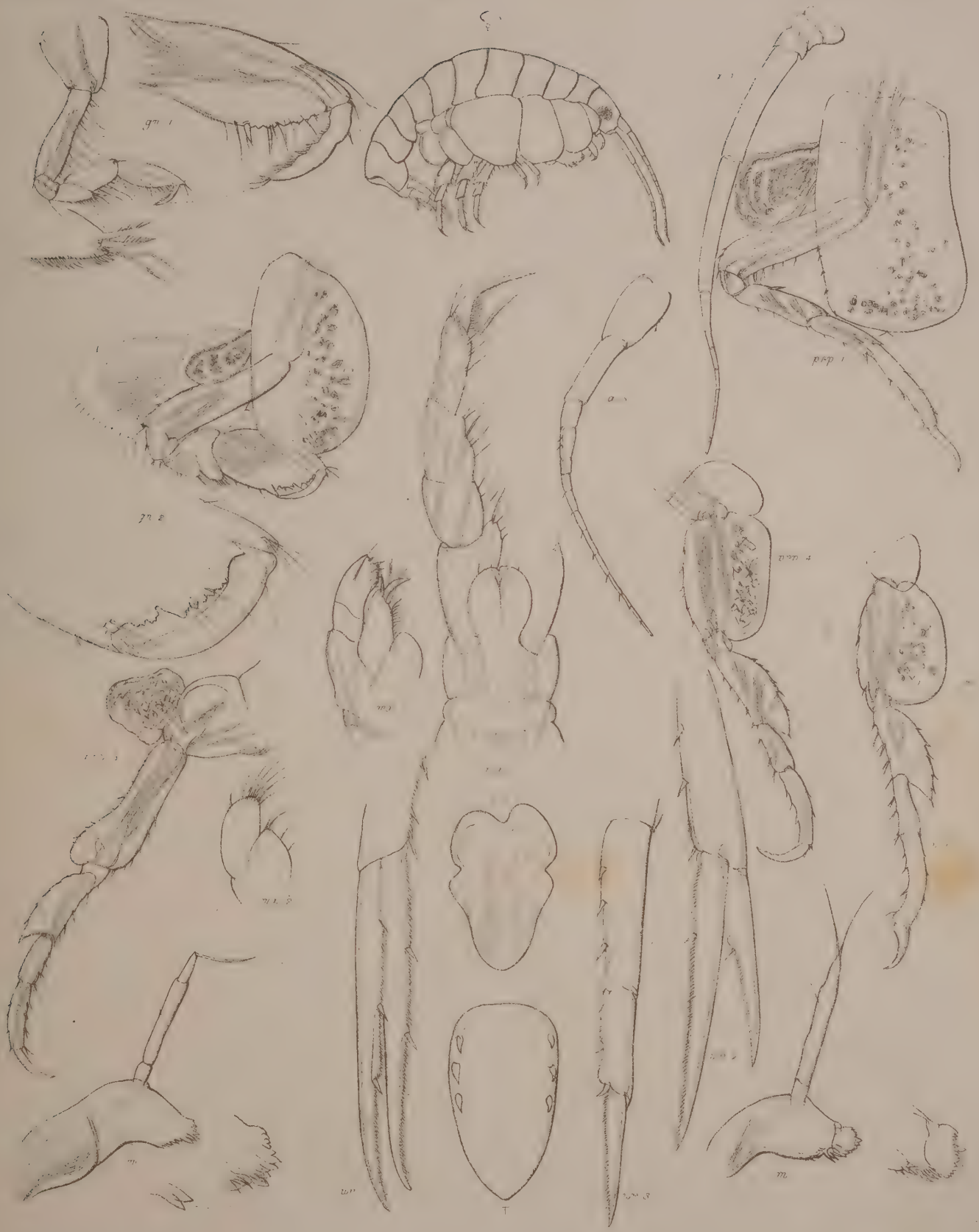
M^cFarlane & Erskine, Lith^rs Edin^r



T.R.R. Stebbing, del.

METOPA MAGELLANICA, n. sp.

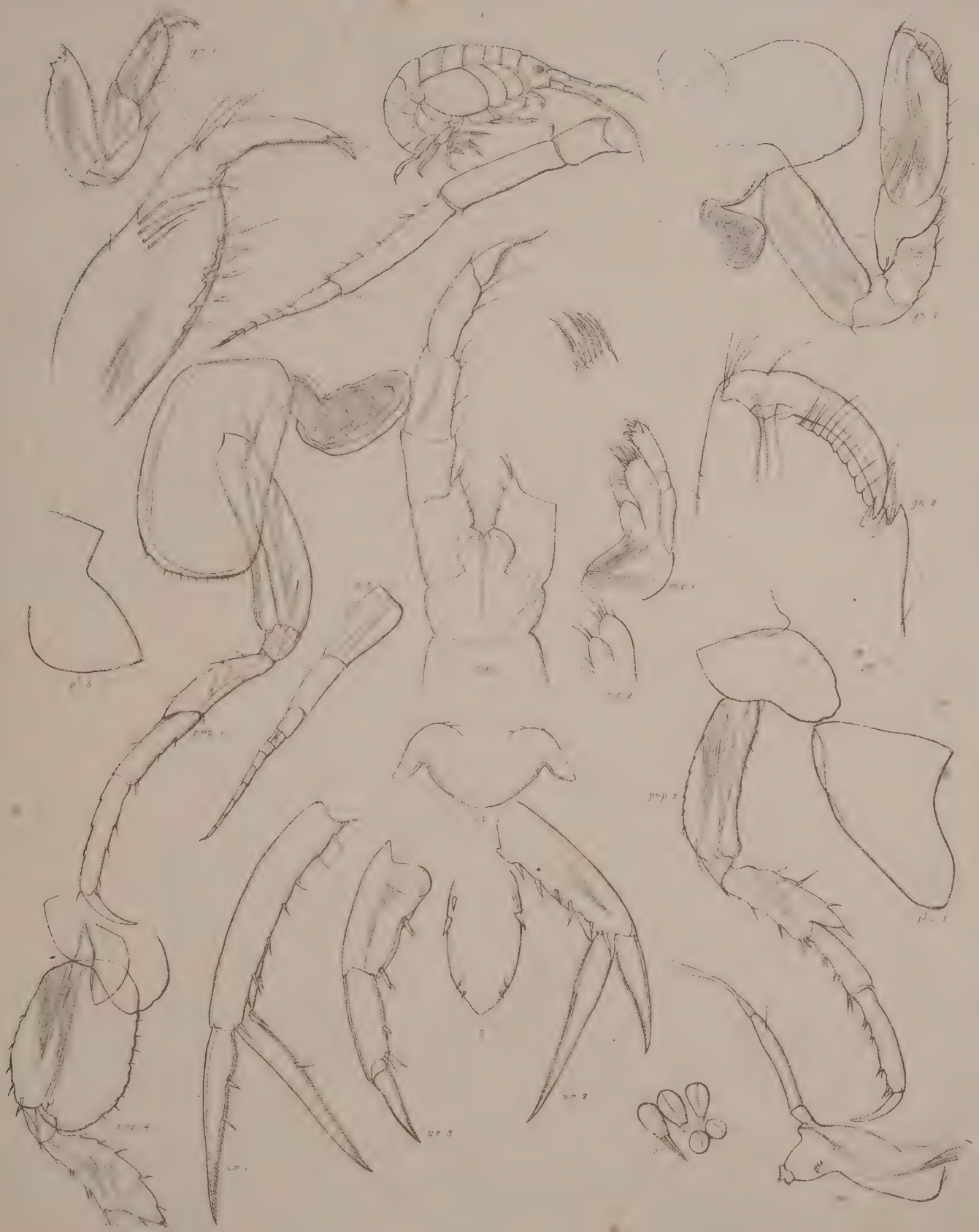
M^cFarlane & Erskine, Lith^rs Edin^r



T. R. R. Stebbing del

METOPA CRENATIPALMATA, n. sp.

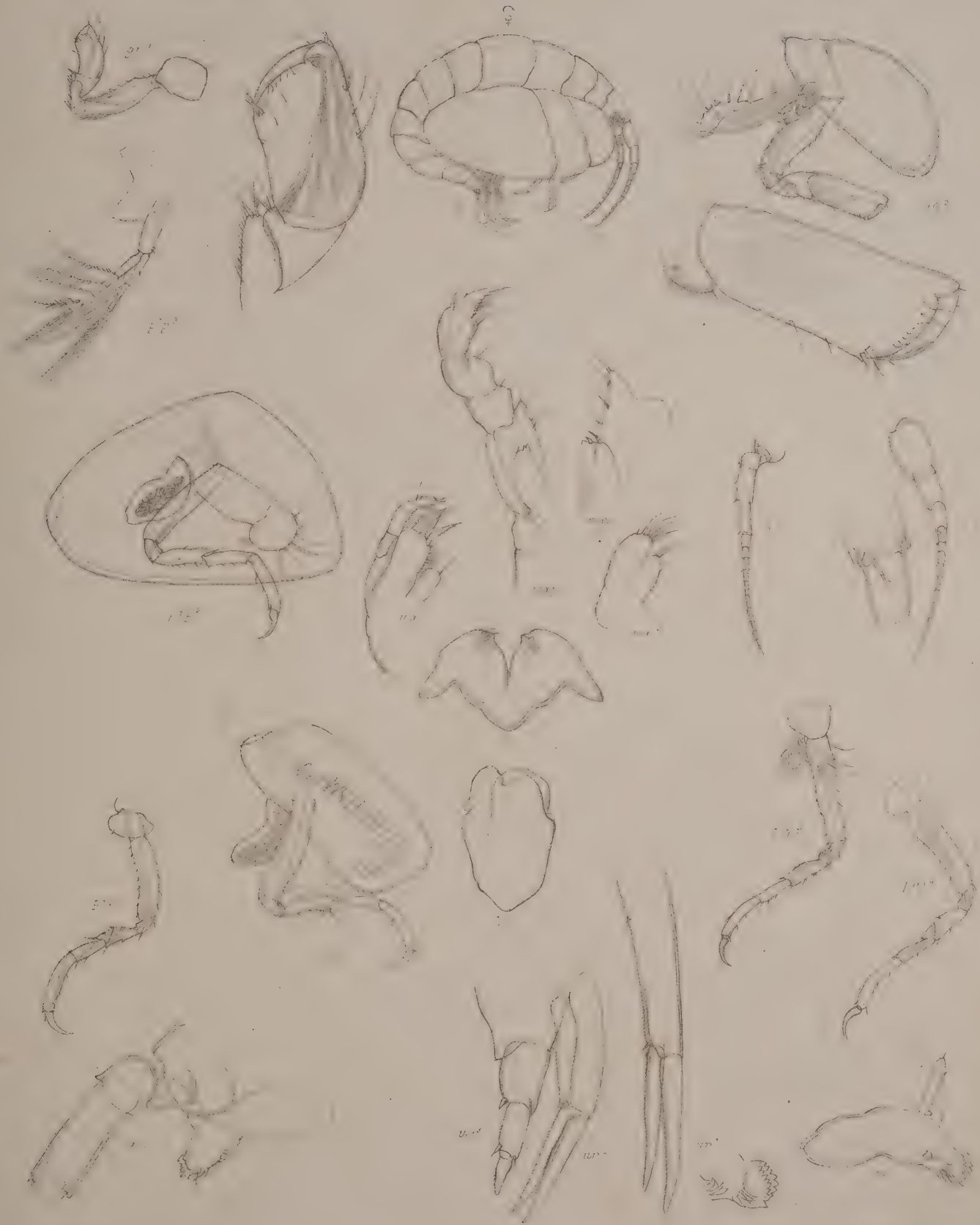
M^cFarlane & Erskine, Lith^rs Edin^r



T. R. R. Stebbing del

METOPA PARALLELOCHEIR, n. sp.

M^c Farlane & Erskine, Lith^rs Edin^r



T.R.R. Stebbing, del.

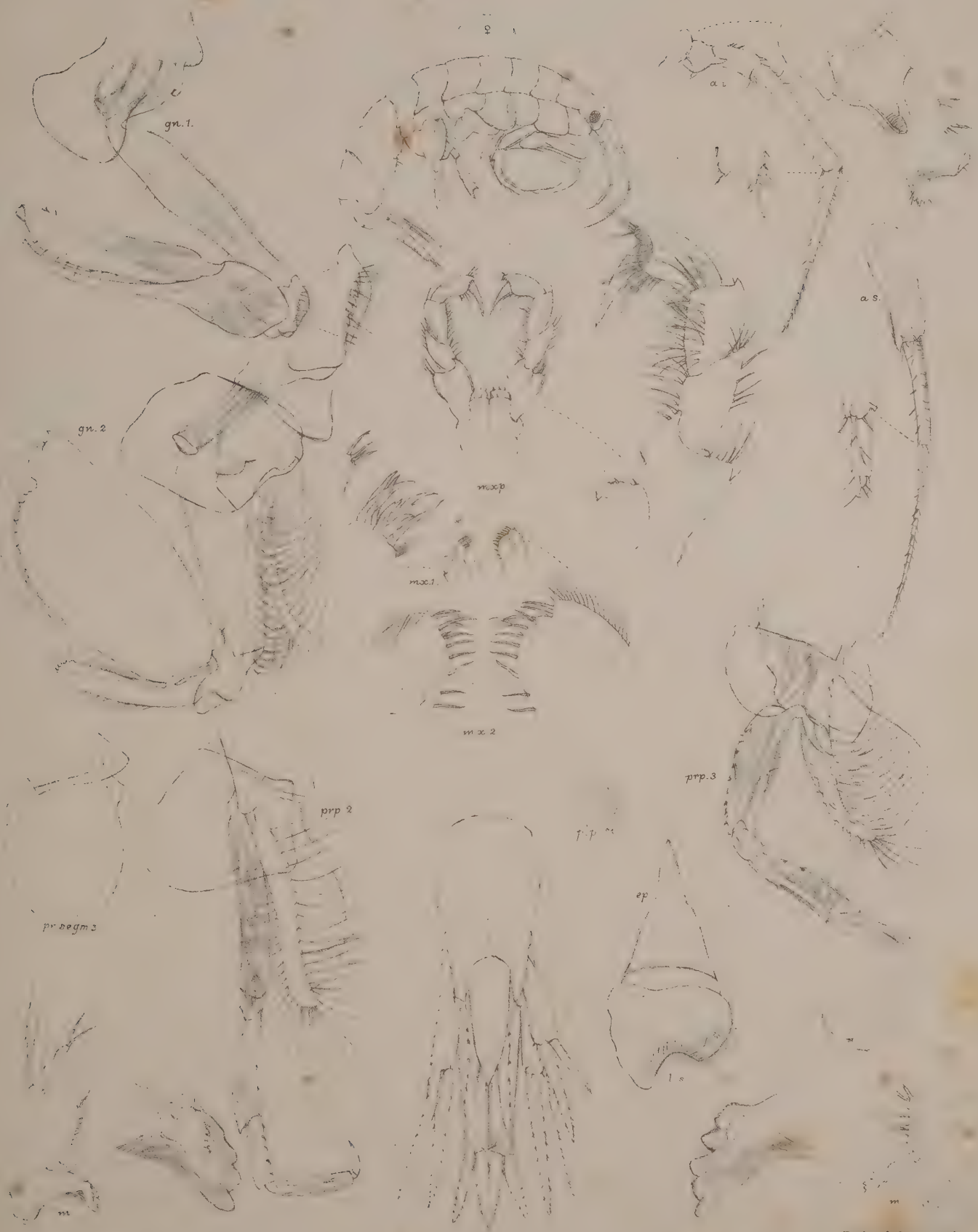
McFarlane & Erskine, Lith^rs Edin^r

METOPA OVATA, n. sp.

T.R.R. Stebbing, del.

M^cFarlane & Erskine, Lith^rs Edin^r

METOPA COMPACTA, n. sp.



T.R.R. Stebbing del

Pl. D.

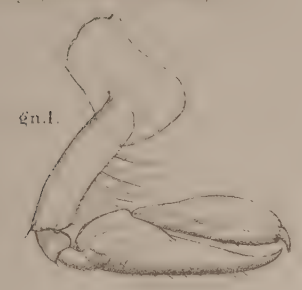
Parker & Coward lith.
West Newman & Co imp.

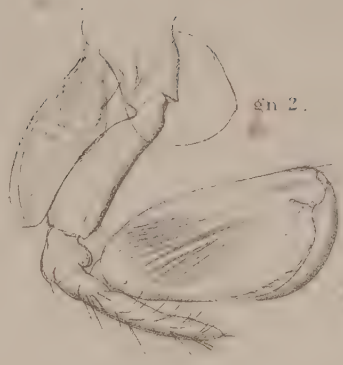
LEUCOTHOË MIERSI, n. sp.

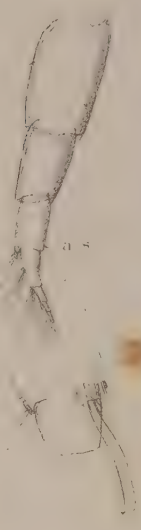
T.R.R. Stebbing del.

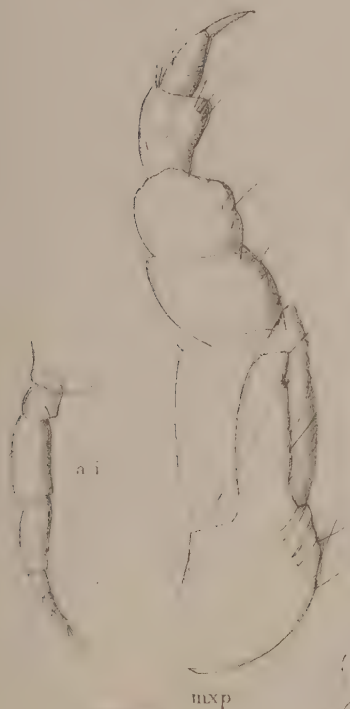
LEUCOTHOË TRIDENS, n. sp.

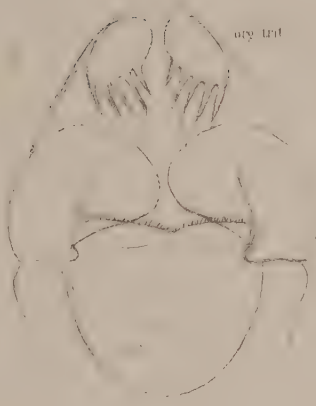
Parker & Coward, lith.
West, Newman & Co imp

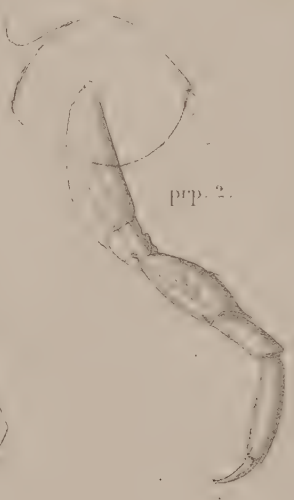


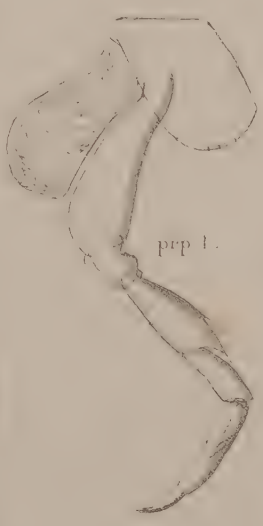


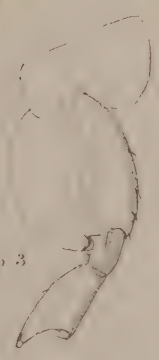


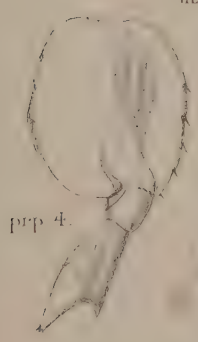


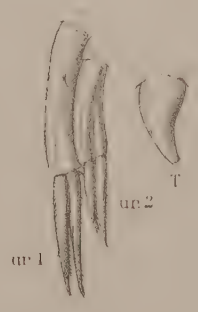


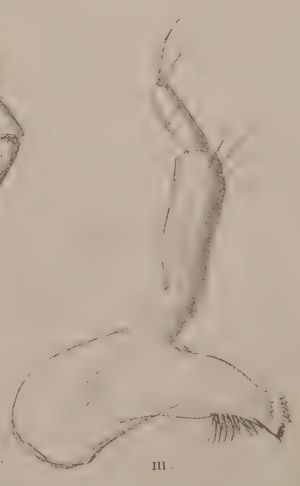






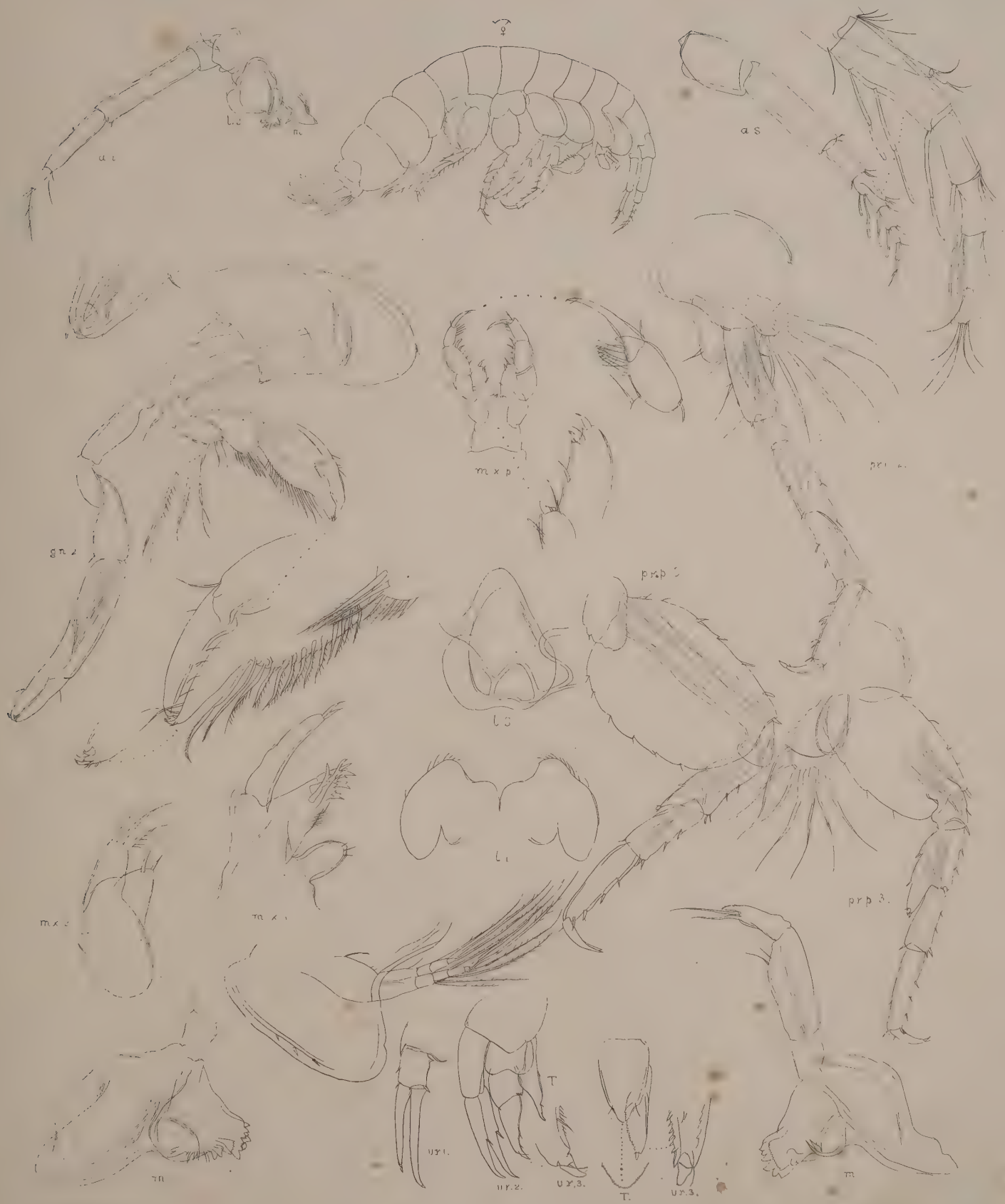






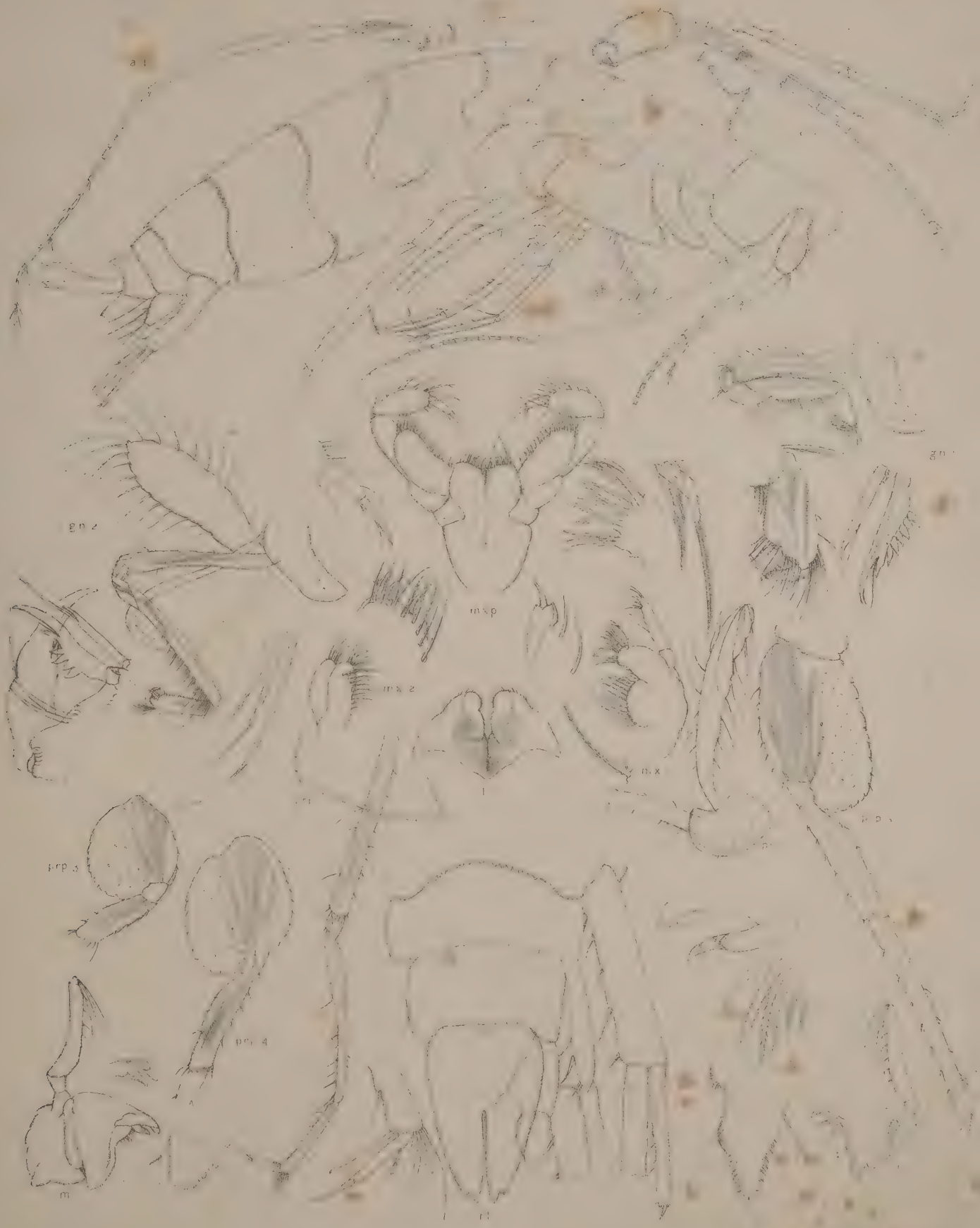
Mintern Bros. imp.

LEUCOTHOË FLINDERSI, n. sp.



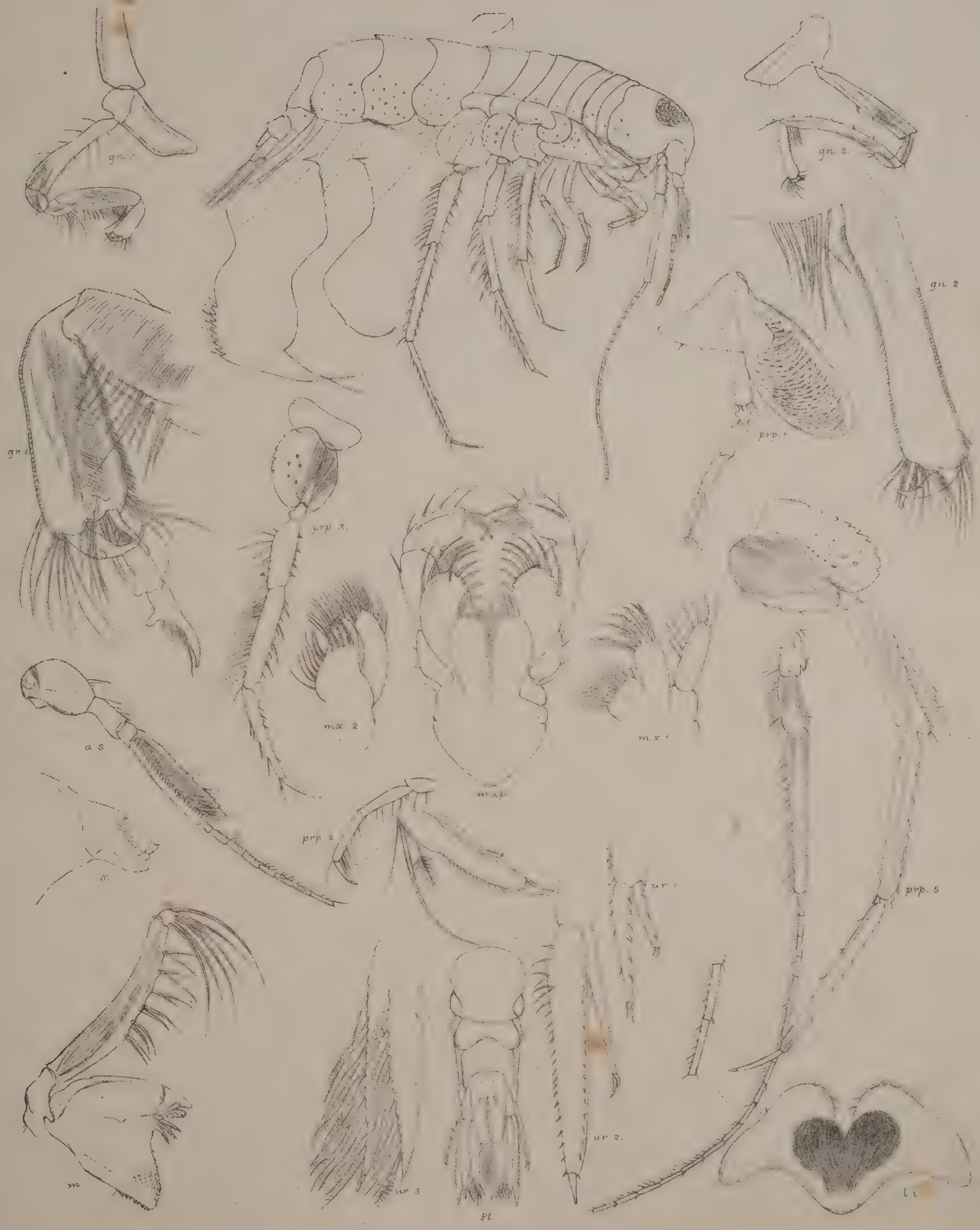
West, Newman & Co. imp.

SEBA SAUNDERSII, Stebbing.



T. R. R. Stebbing, del.

SYRRHOË PAPYRACEA, n. sp.



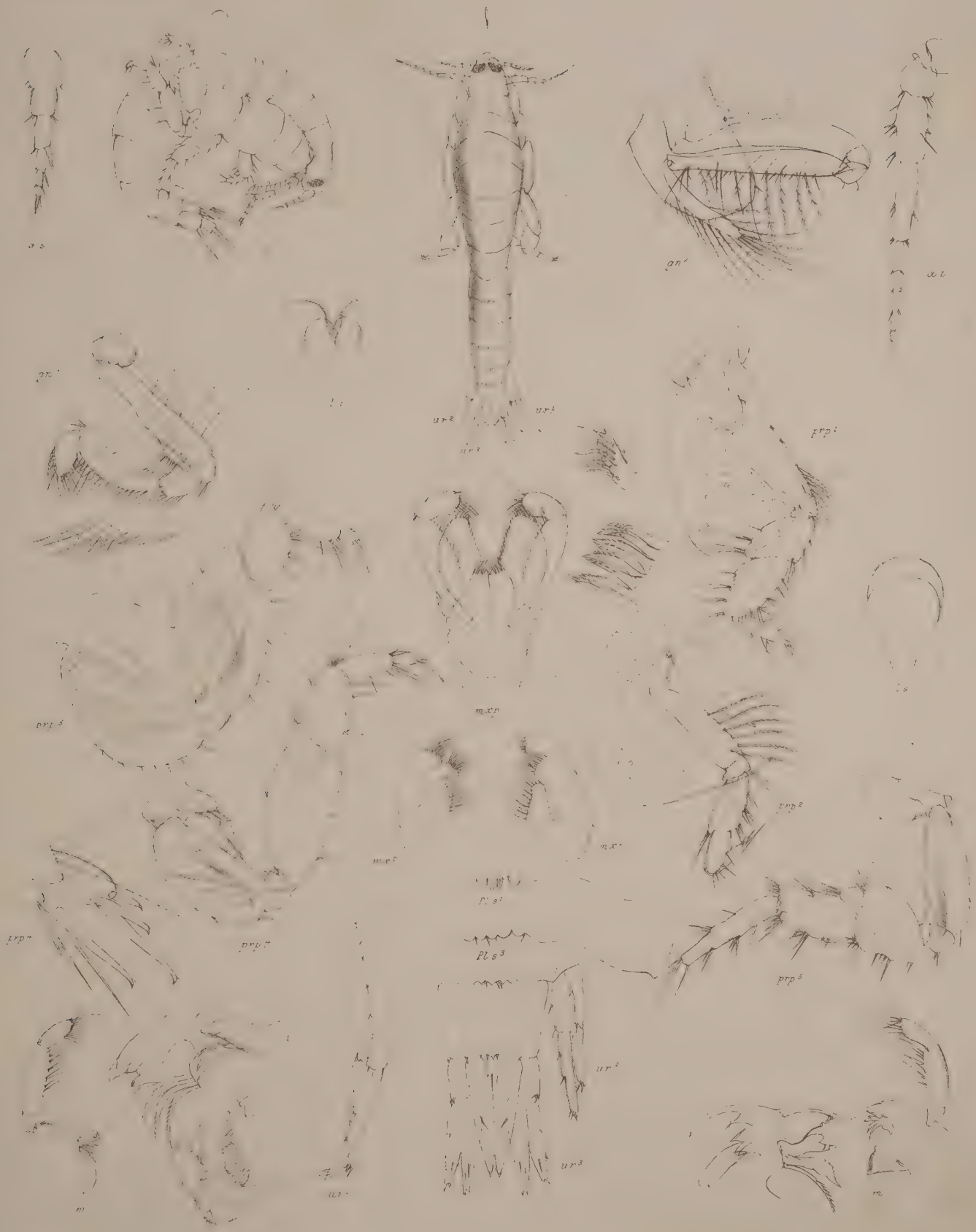
T.R.R. Stebbing del.

Parker & Coward, lith.
West, Newman & Co imp.

SYRRHOË SEMISERRATA, n. sp.

Mintern Bros. imp.

SYNOPIA SCHÉELEANA, Bovallius.



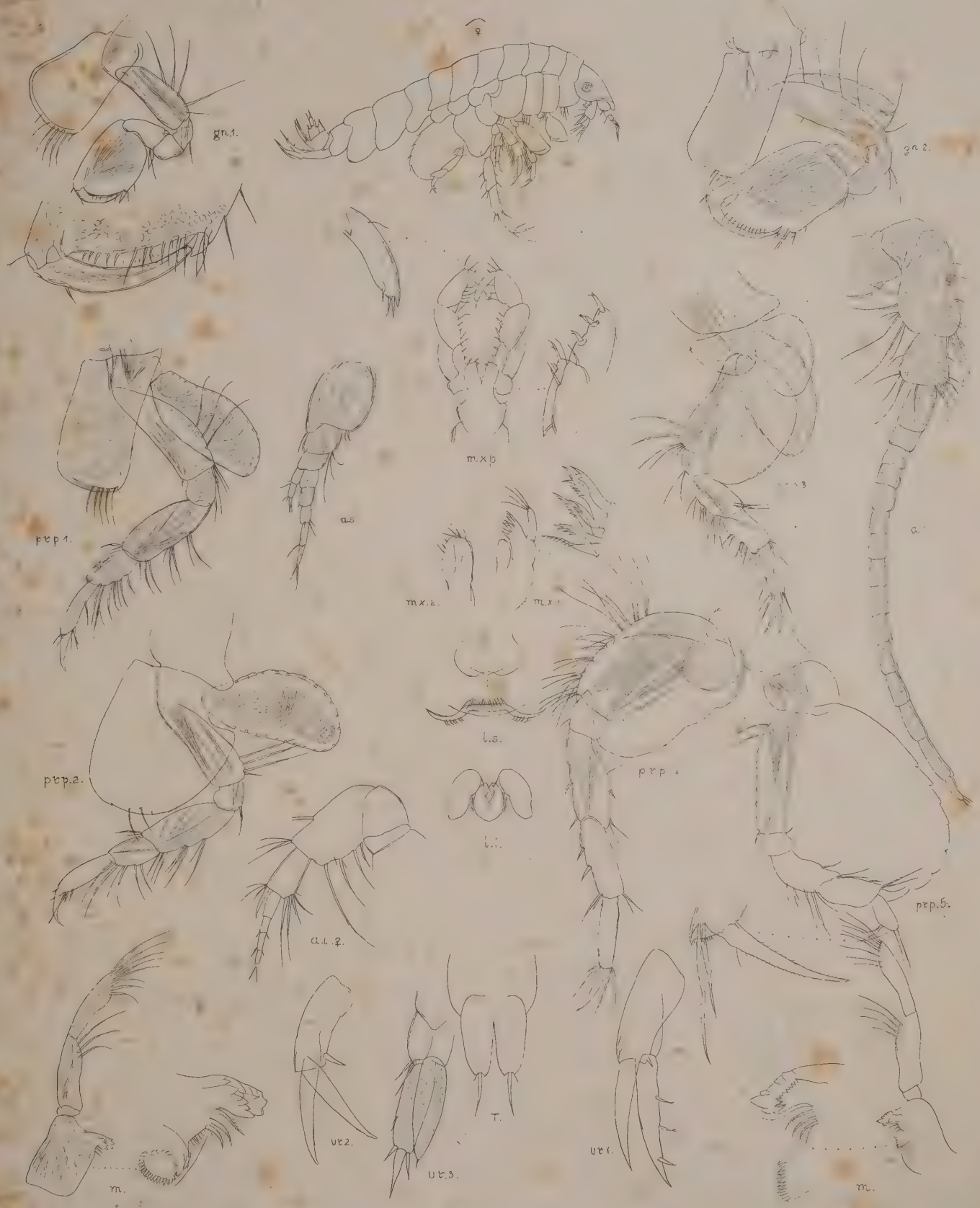
F. Huth, Lith^r Edin^r

CARDENIO PAURODACTYLUS, n.g. et sp.

J. & R. Stecking del. W. H. Crowther lith.

Mintern Bros. imp.

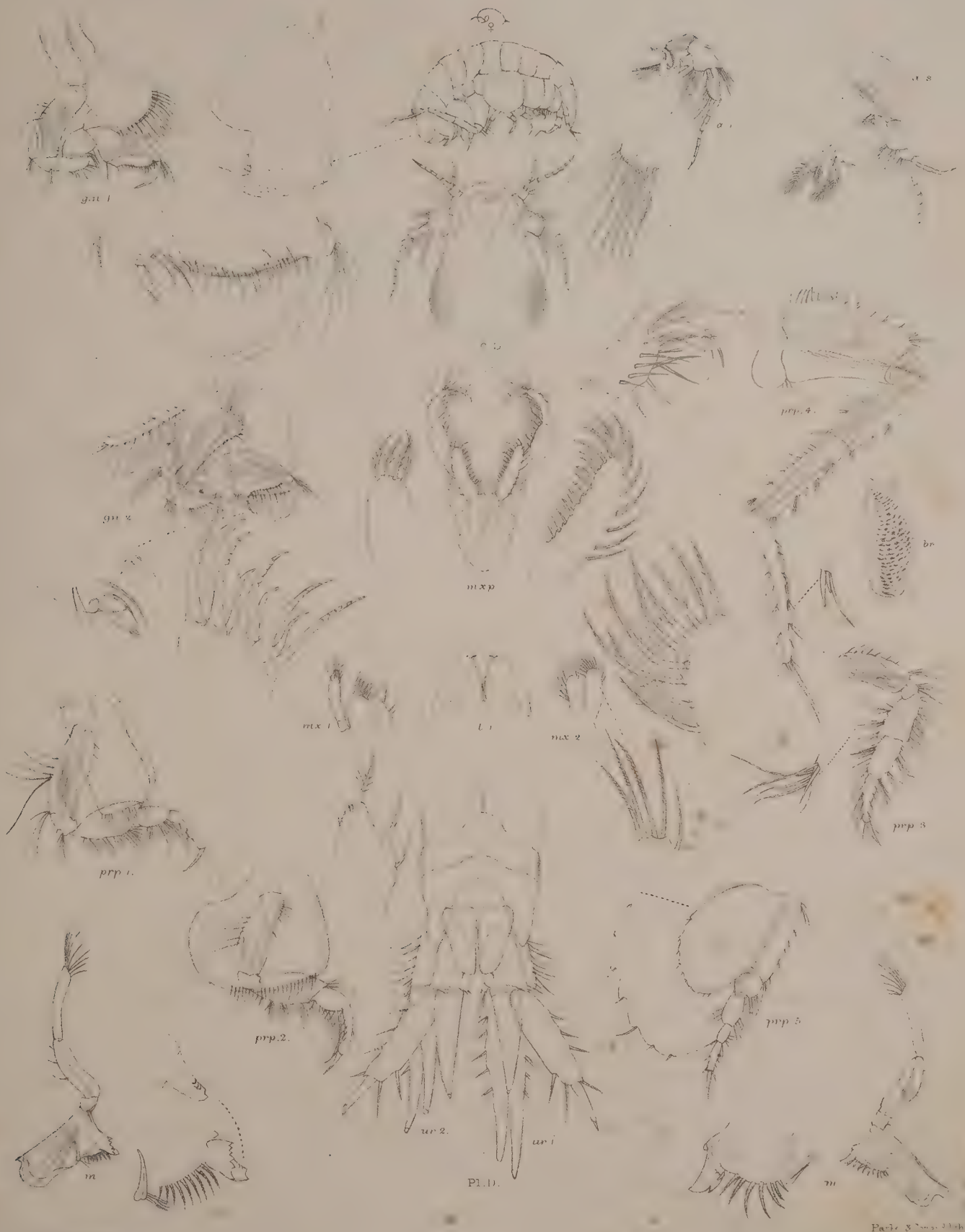
PHOXUS BASSI, n. sp.



TRR. Stebbing del.
T.S. Saunders sc.

West, Newman imp. Cr. sculp.

PHOXUS KERGUELENI n. sp.



T.R.R. Stebbing del

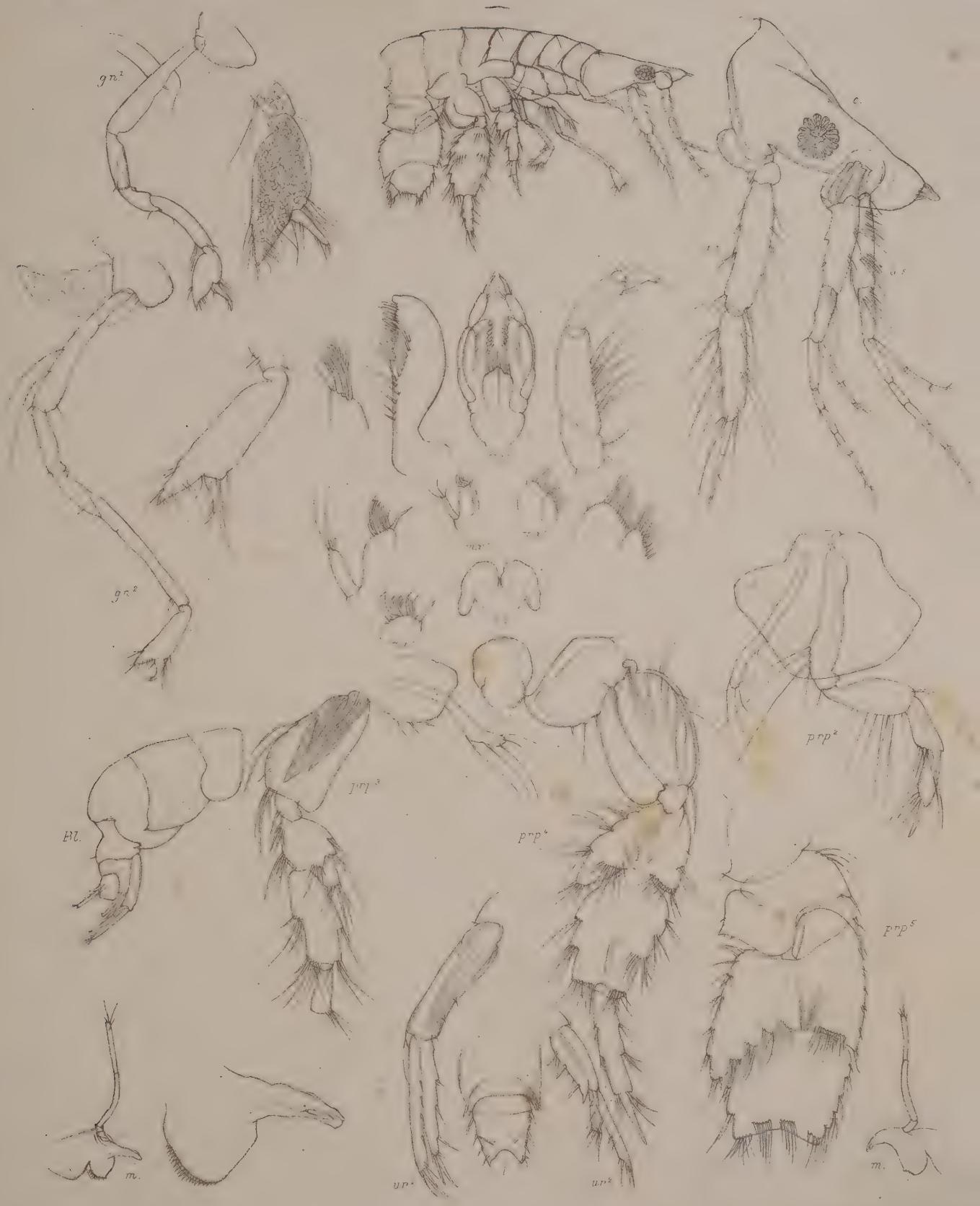
Paul & Jouy. lith.
West, Newman & Comp.

HARPINIA OBTUSIFRONS, n. sp.

T.R.R. Stebbing del. F.H. Michael lith.

Maurer Bros

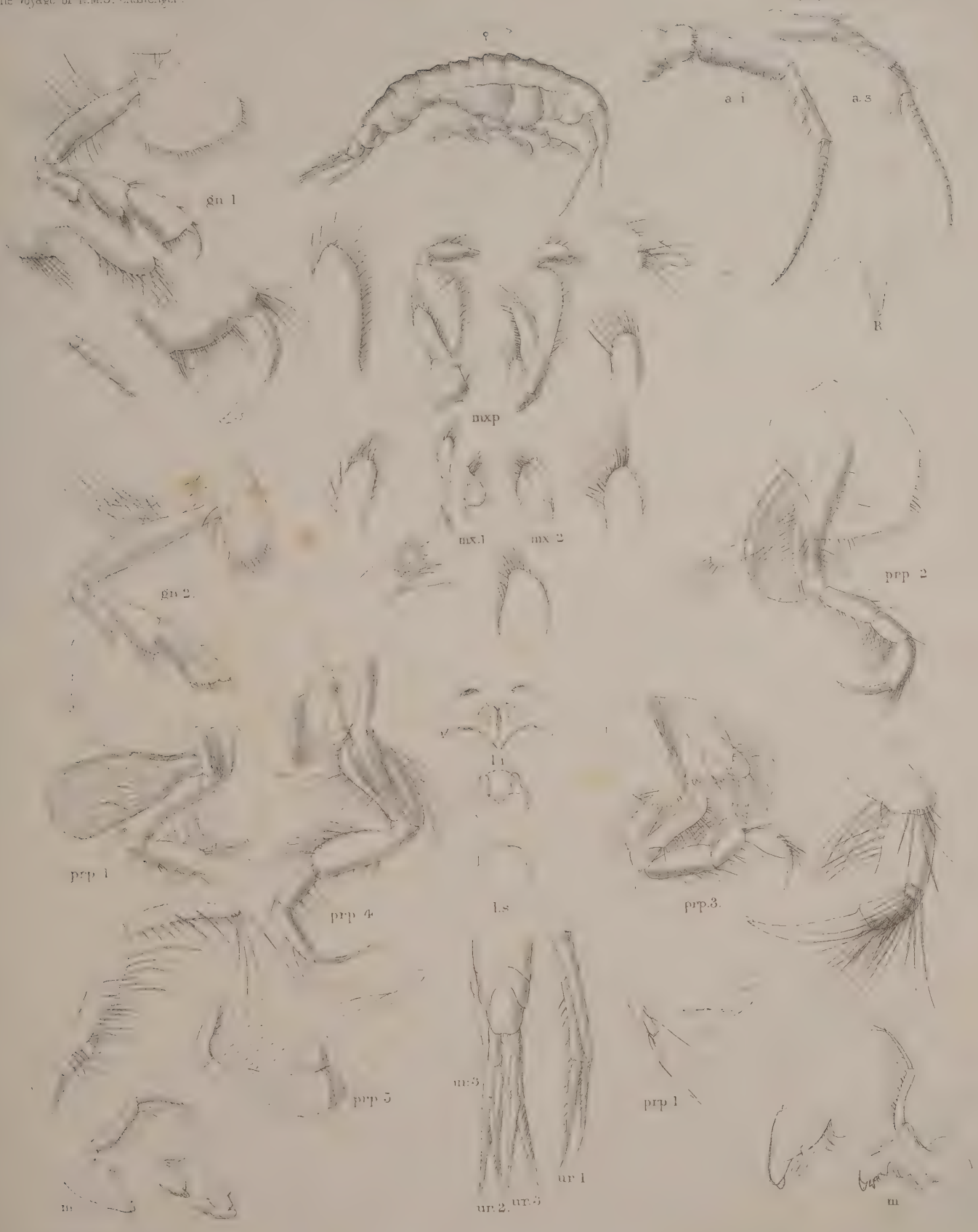
UROTHOË LACHNEËSSA, n. sp.



T.R.R. Stebbing, del

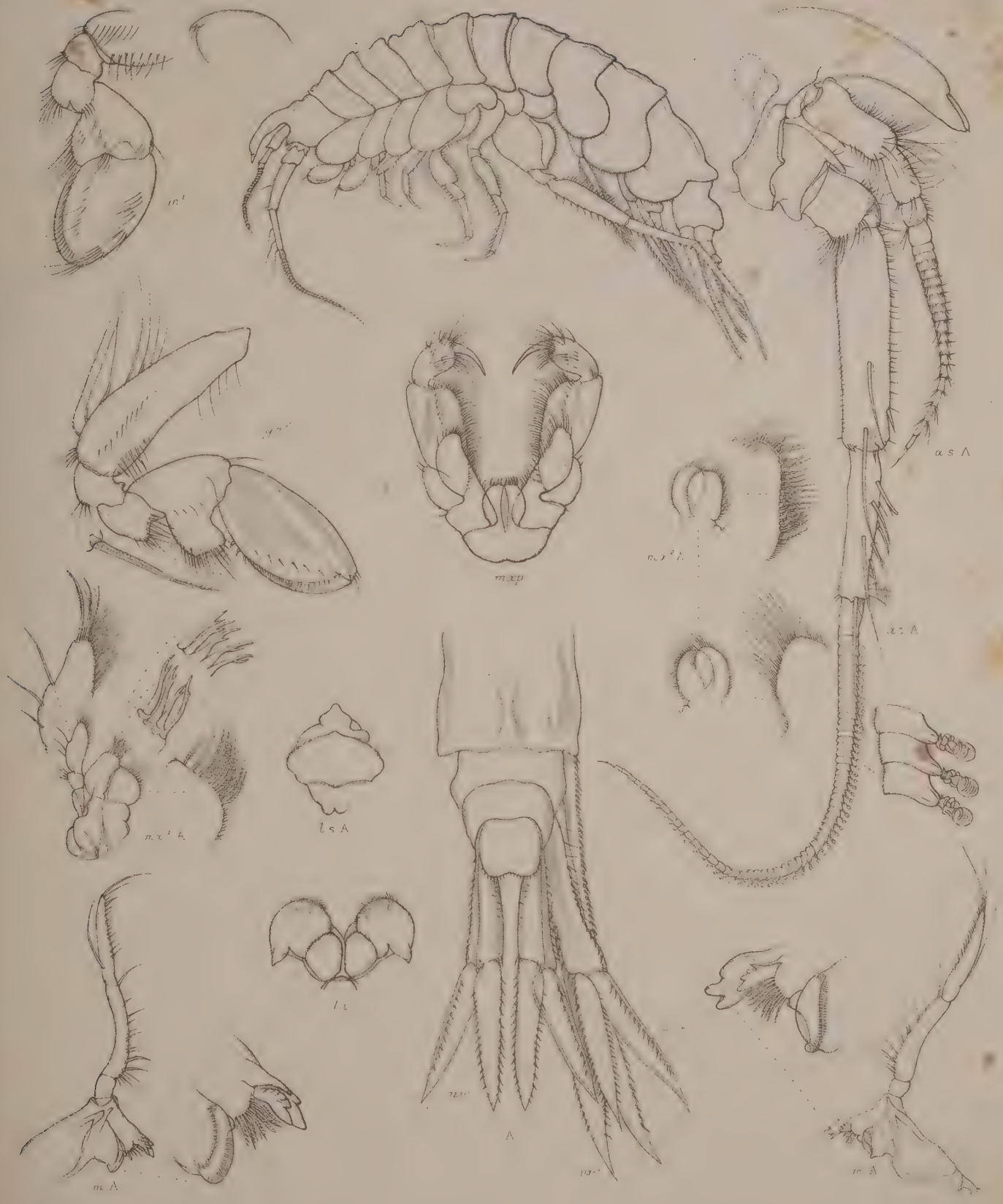
M^cFarlane & Erskine, Lith^rs Edin^r

PLATYISCHNOPUS MIRABILIS, n. g. et sp.



Mintern Bros. imp.

HALIMEDON SCHNEIDERI, n. sp.



T.R.R. Stebbing, del

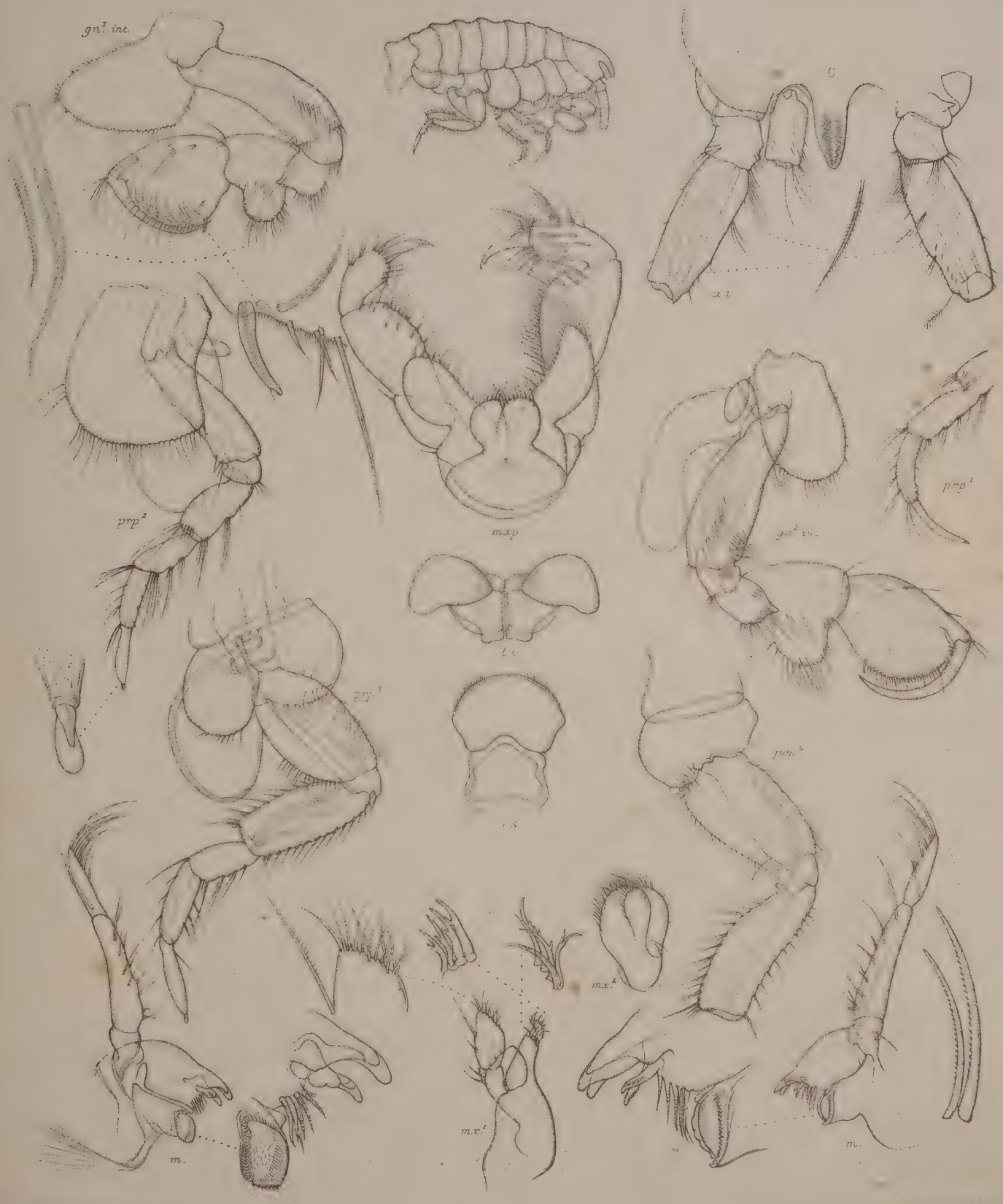
Reid & Cowie, lith. Edin.r

ŒDICEROIDES CONSPICUA, n. g et sp.

J. & L. Tuebrug del.

Reid & Cowie, lith. Edin.

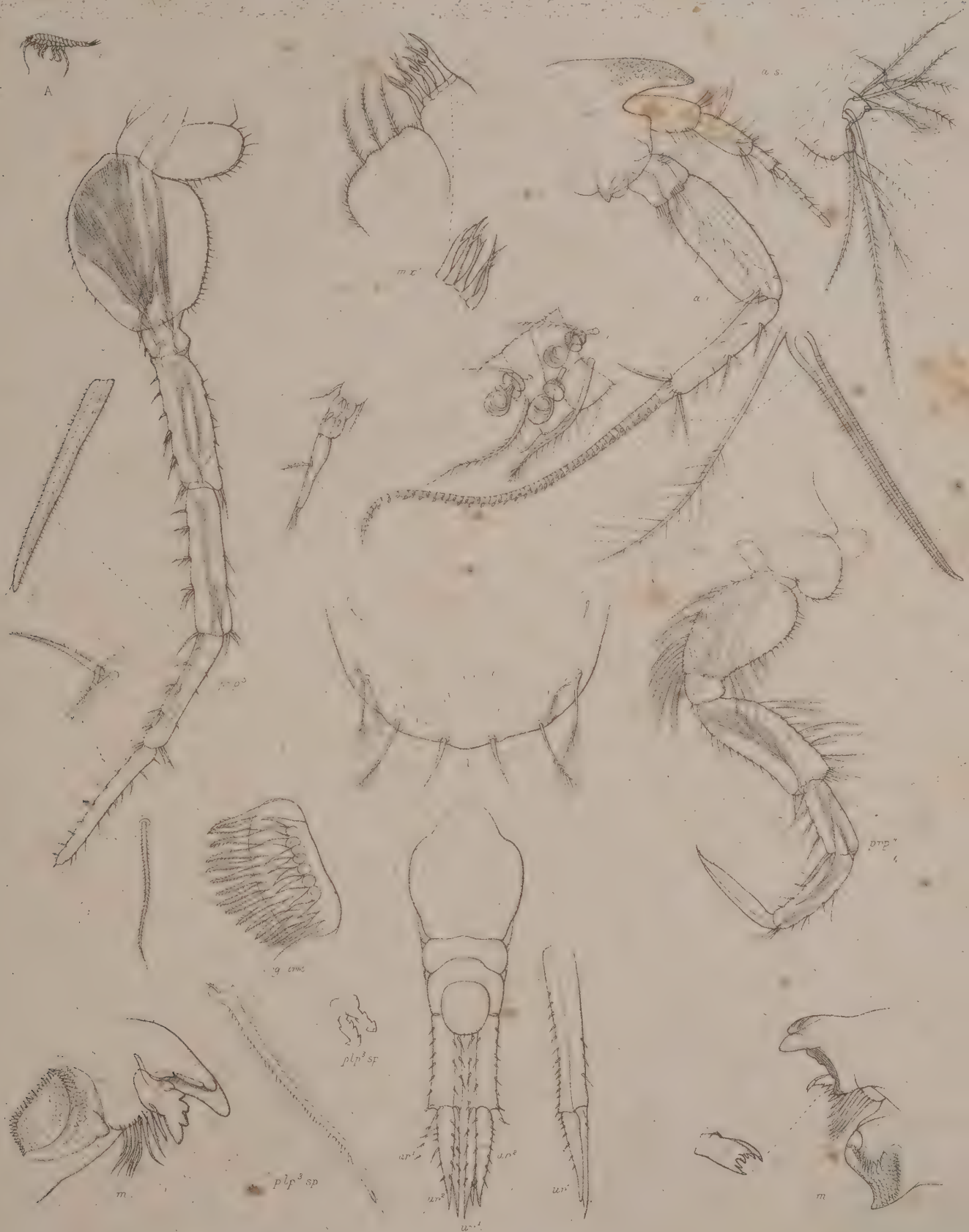
ŒDICEROIDES CONSPICUA, n. g. et sp.



T.R.R. Stebbing del

Reid & Cowan, lith. Edin.

ŒDICEROIDES CINDERELLA, n. g. et sp.



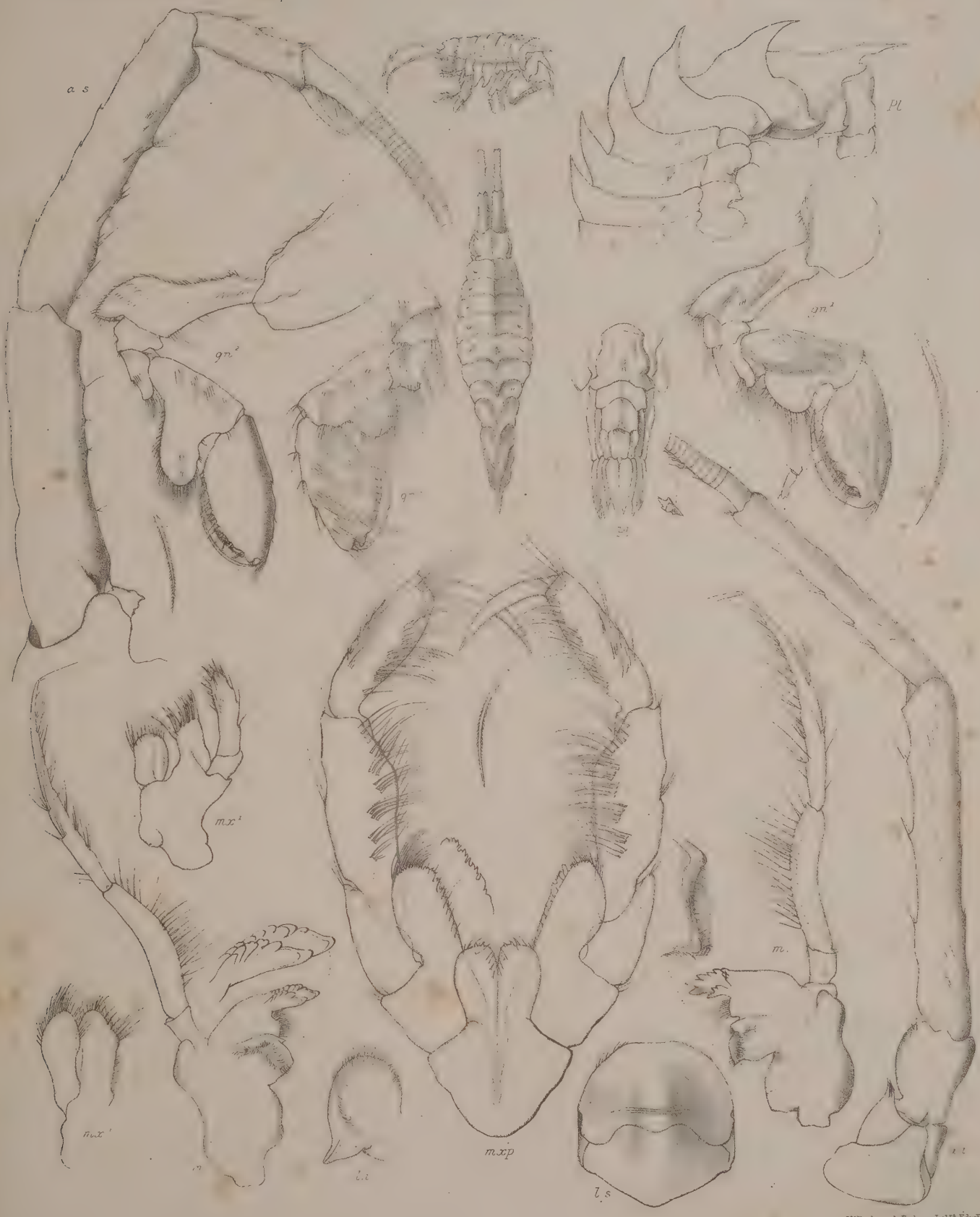
T.H.H. Stebbing del. Reid & Cowie, lith. Edin.

ŒDICEROIDES CINDERELLA, n. g. et sp.

T. R. Stebbing del.

Reid & Cowie, lith. Edin.

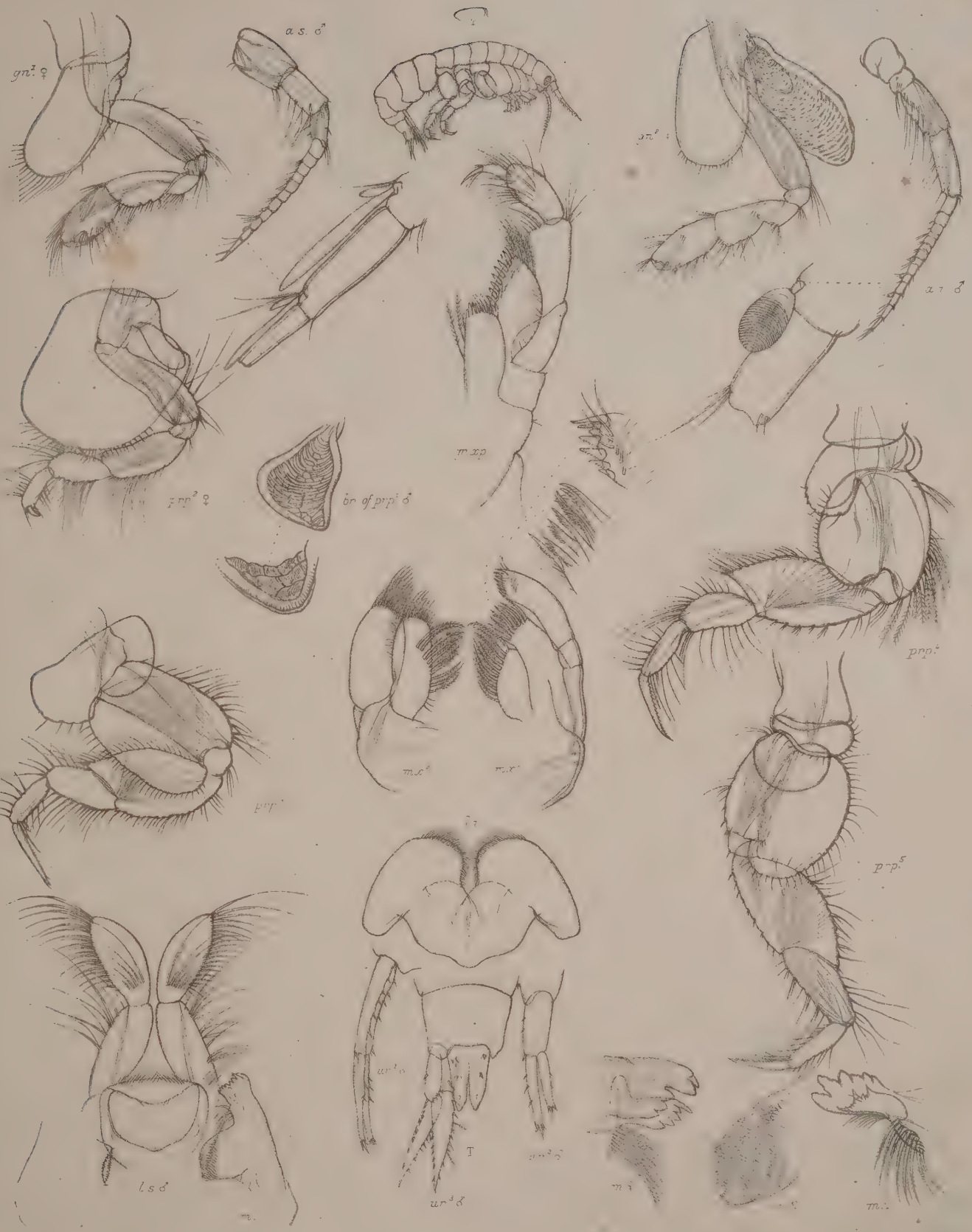
ŒDICEROIDES ORNATA, n. g. et sp.



T.R.R. Stebbing, del.

McFarlane & Erskine, Lith^rs Edin^r

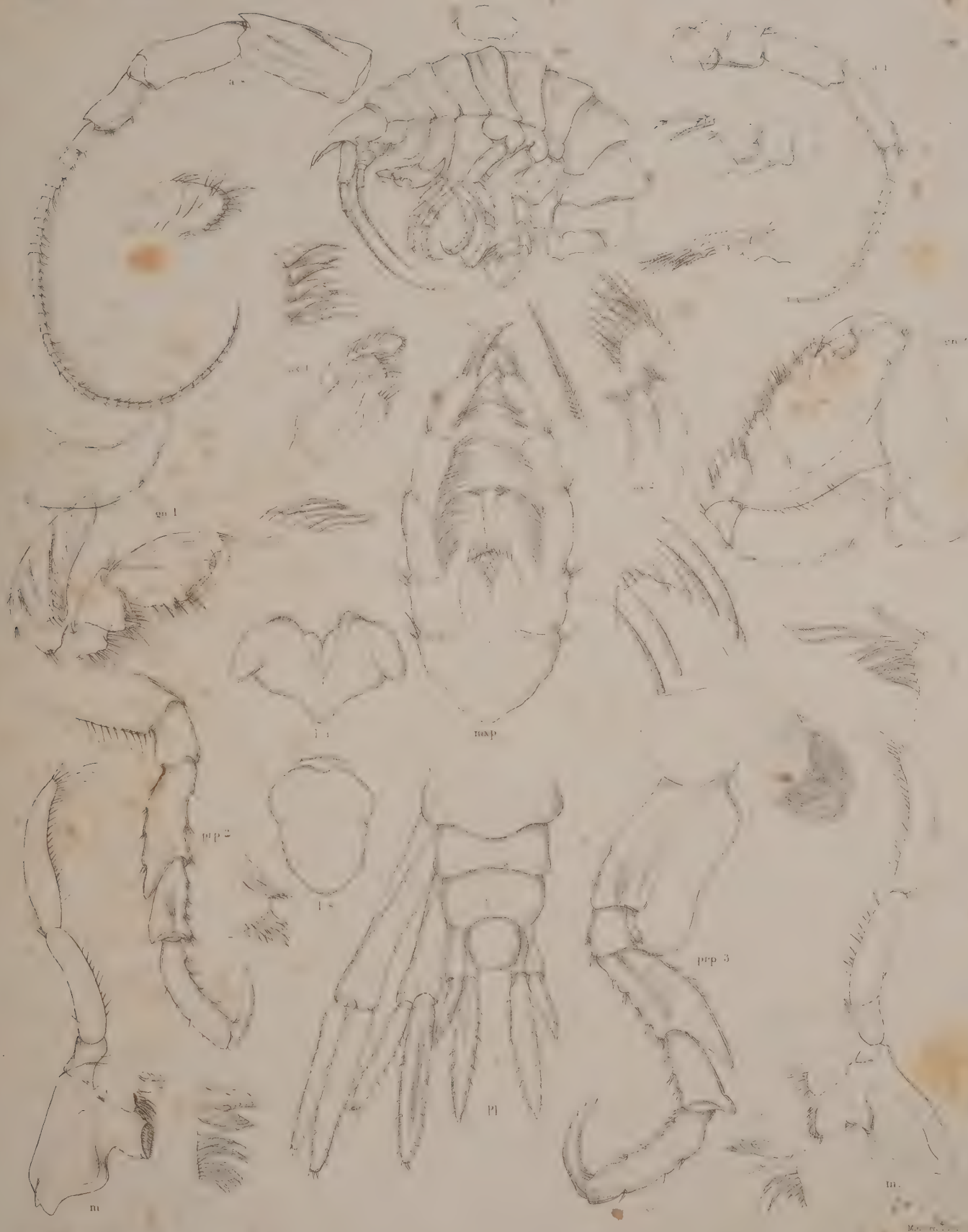
AMATHILLOPSIS AUSTRALIS, n. sp.



T.R.R.Stebbing, del

Reid & Bowne, Lith.

ZARAMILLA KERGUELENI, n. g. et sp.



PLEUSTES ABYSSORUM, n.sp.

T.R.R. Stebbing del.

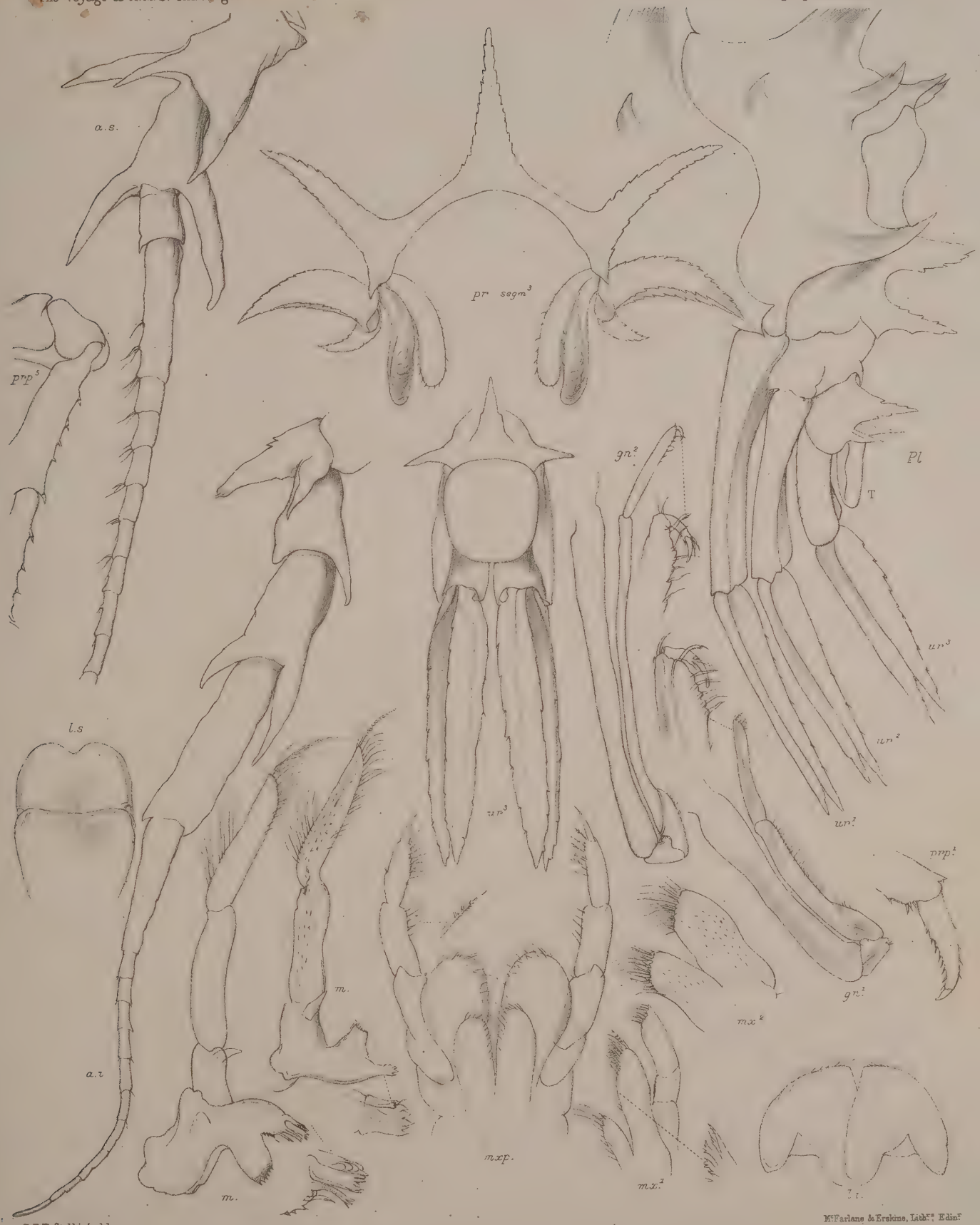
Reid & Cowie, Lith, Edin.

EPIMERIA LORICATA, Sars.

T.R.R. Stebbing, del

Reid & Cowie, Lith. Edin.

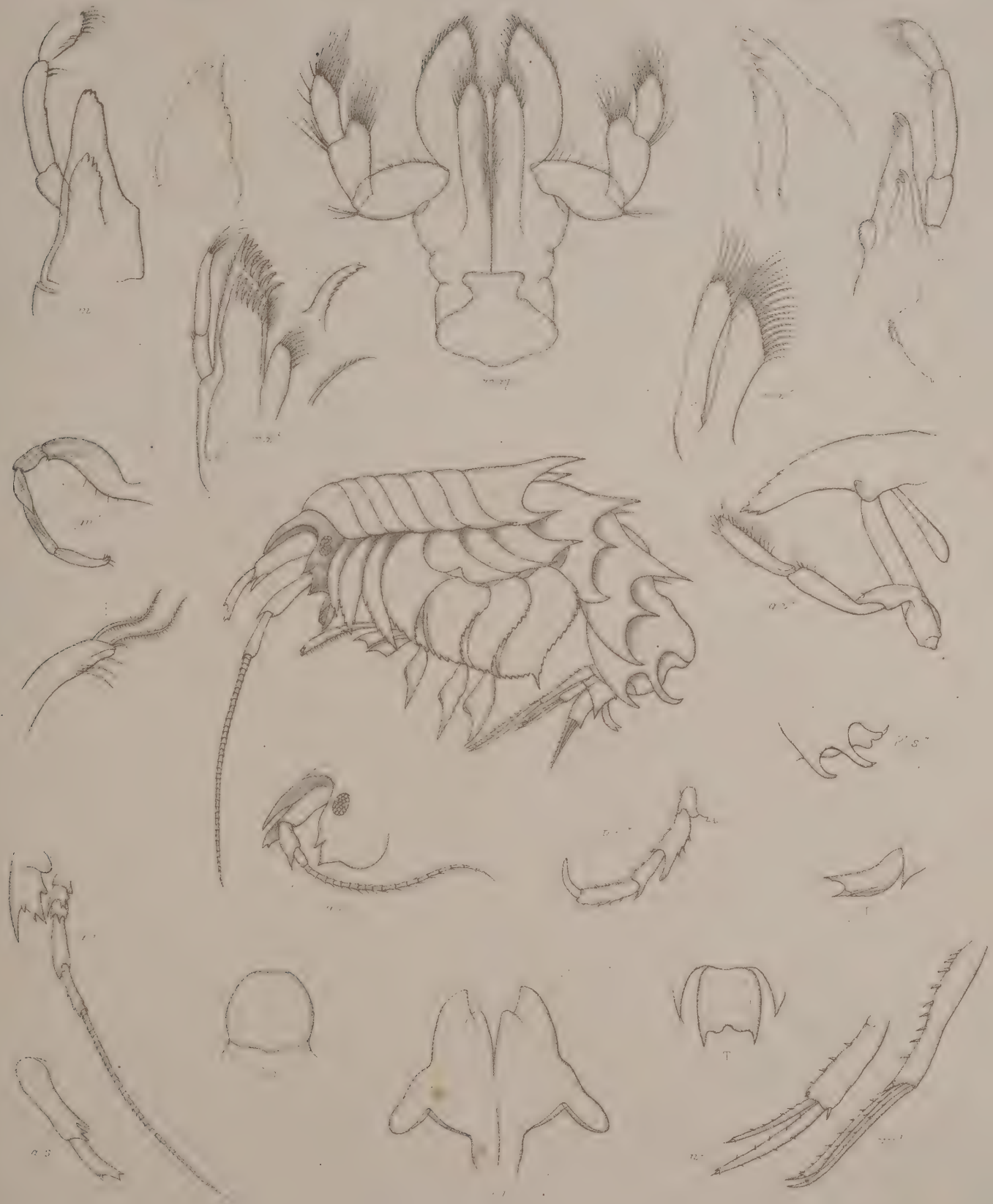
ACANTHECHINUS TRICARINATUS, n. g. et sp.



T.R.R. Stebbing. del.

M^cFarlane & Erskine, Lith^rs Edin^r

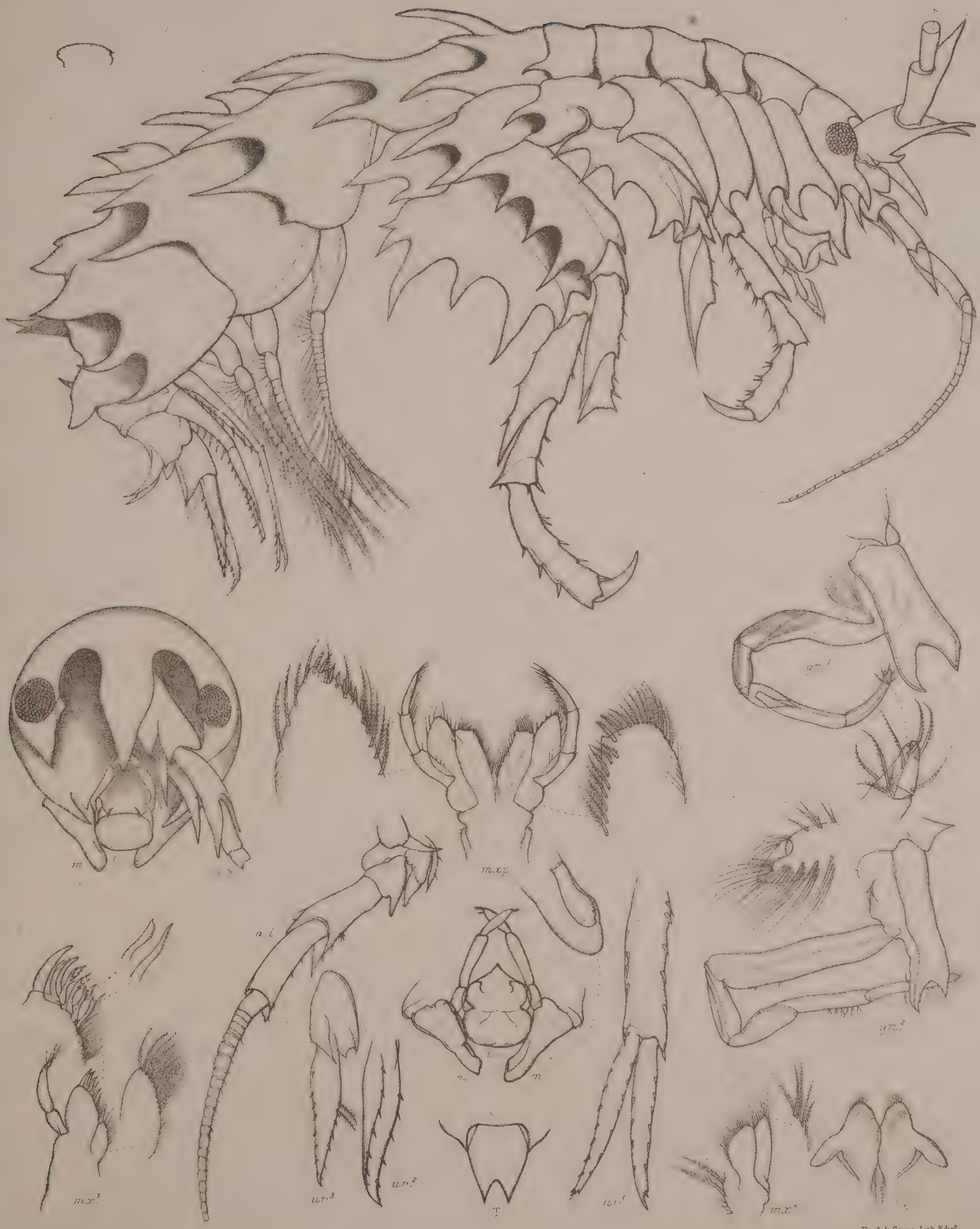
ACANTHECHINUS TRICARINATUS, n. g. et sp.



T.R.R. Stebbing, del.

Reid & Cowie, Lith. Edinr.

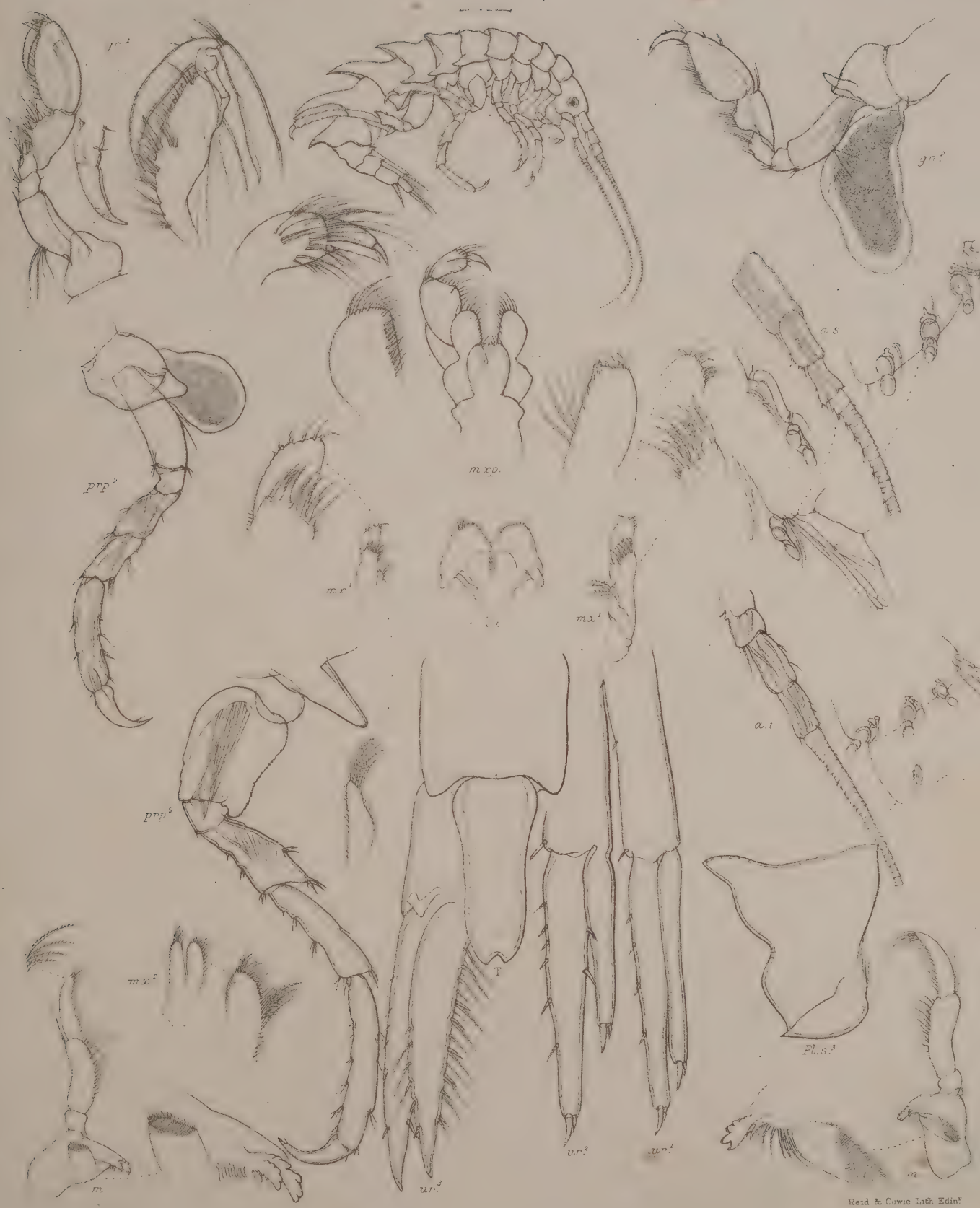
IPHIMEDIA PACIFICA, n. sp.



T.R.R. Stebbing, del.

Reid & Cowie, Lith. Edin.ʳ

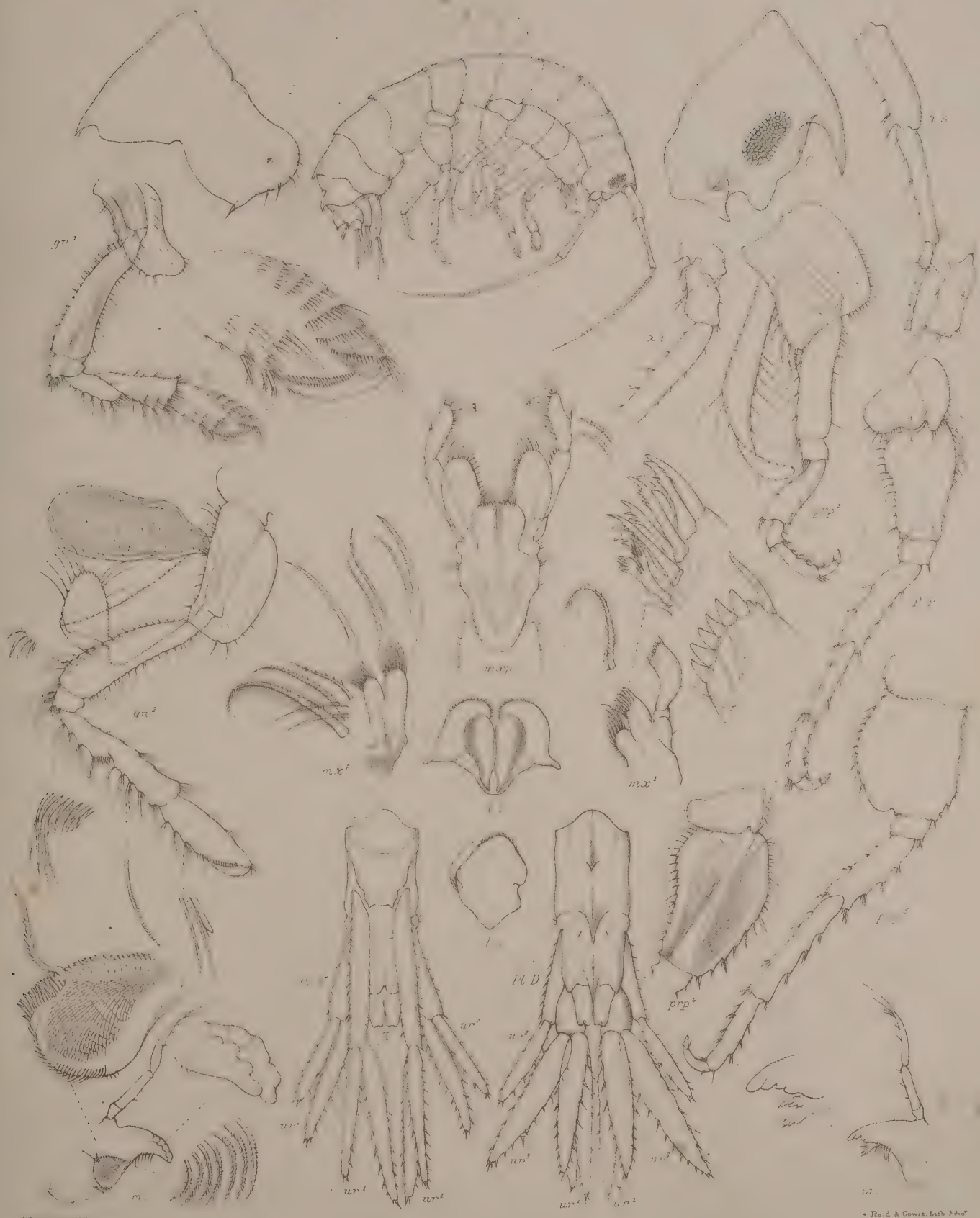
IPHIMEDIA PULCHRIDENTATA, n. sp.



T.R.R. Stebbing, del.

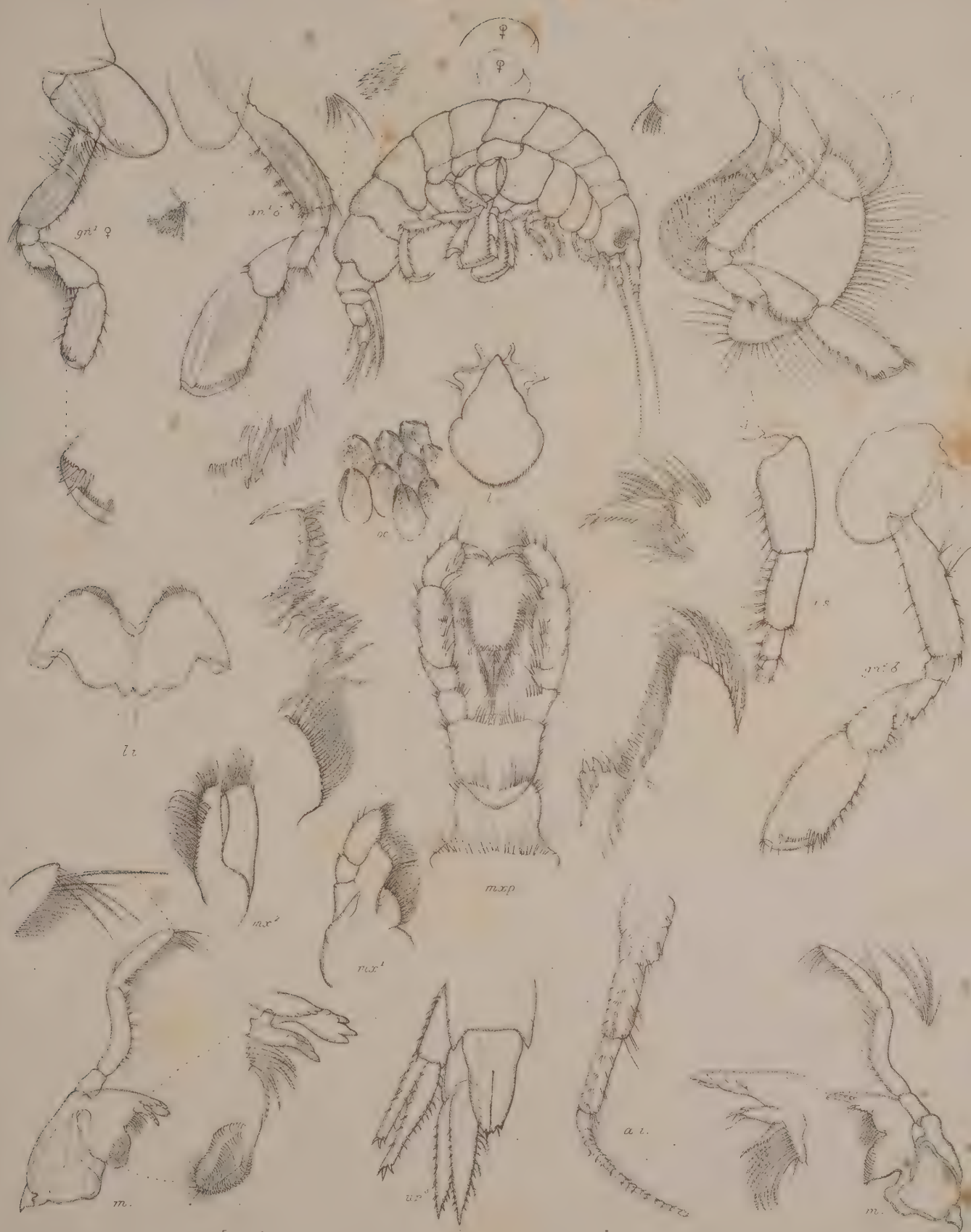
Reid & Cowie Lith. Edin.r

HALIRAGES HUXLEYANUS, Spence Bate (sp)



ATYLUS HOMOCHIR, Haswell.

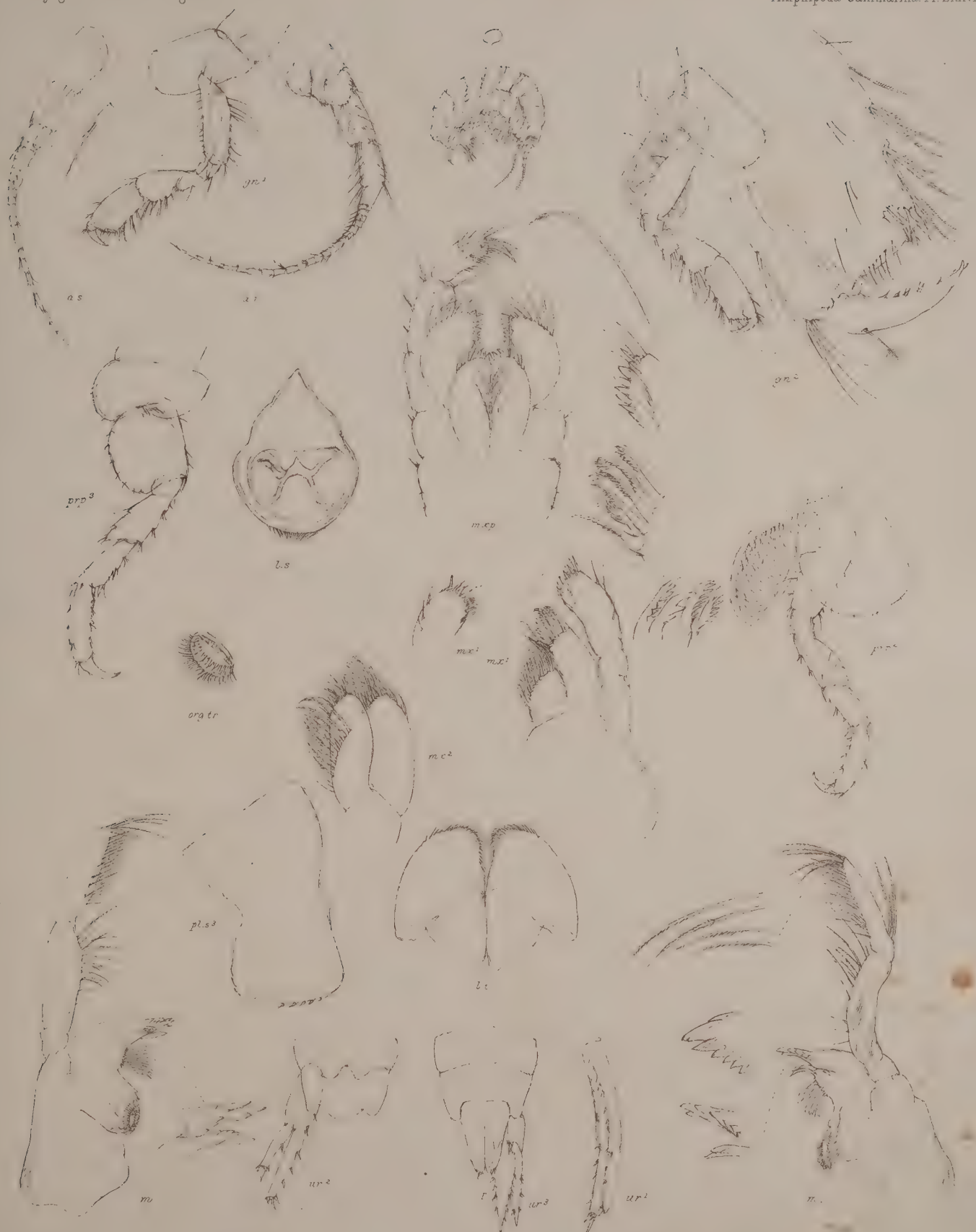
Reid & Cowie, Lith. Edinr.



T.R.R. Stebbing, del.

Reid & Cowne, Lith. Edin.

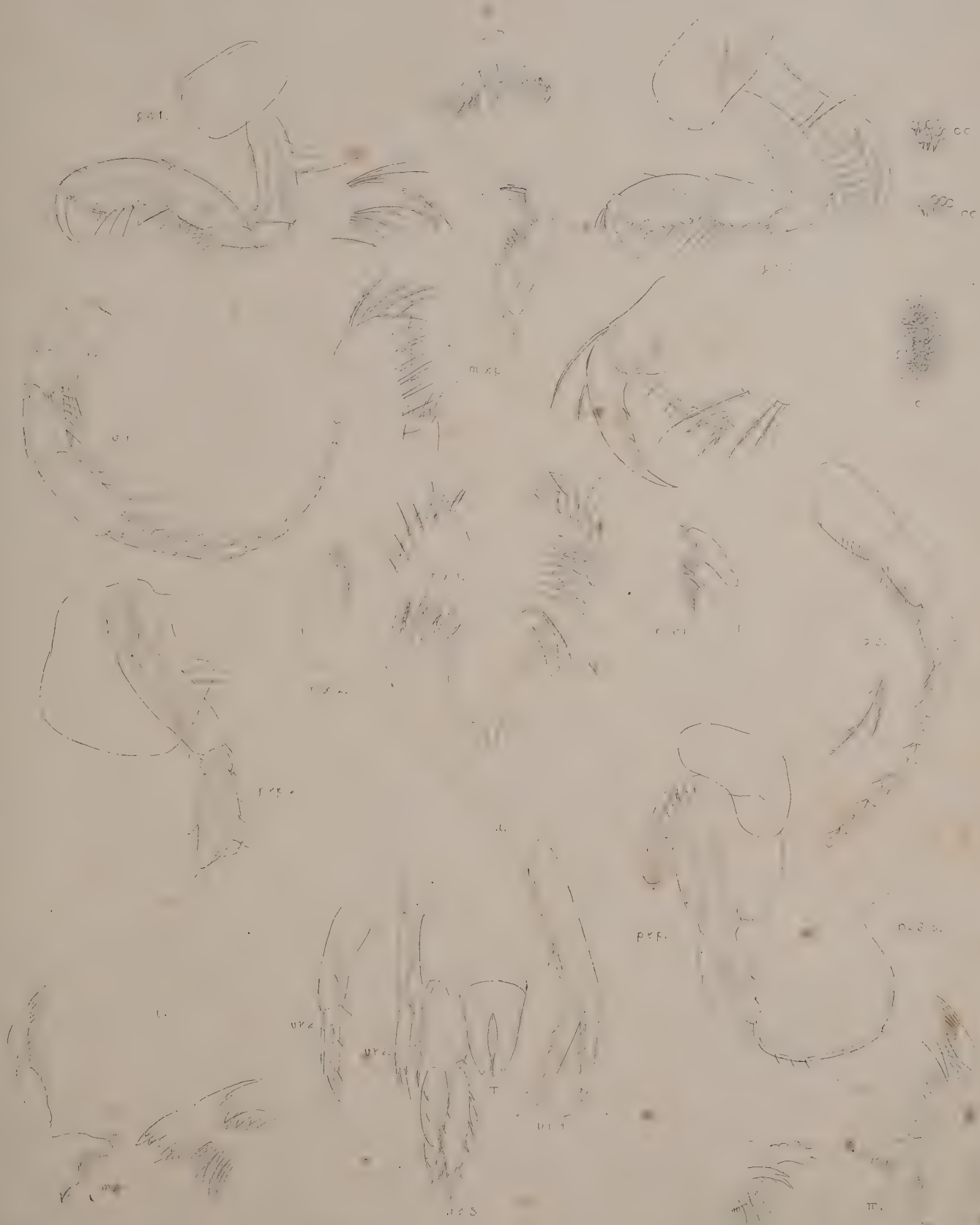
ATYLOIDES AUSTRALIS, Miers (sp.)



T.R.R. Stebbing del.

F. Huth, Lith. Edin.

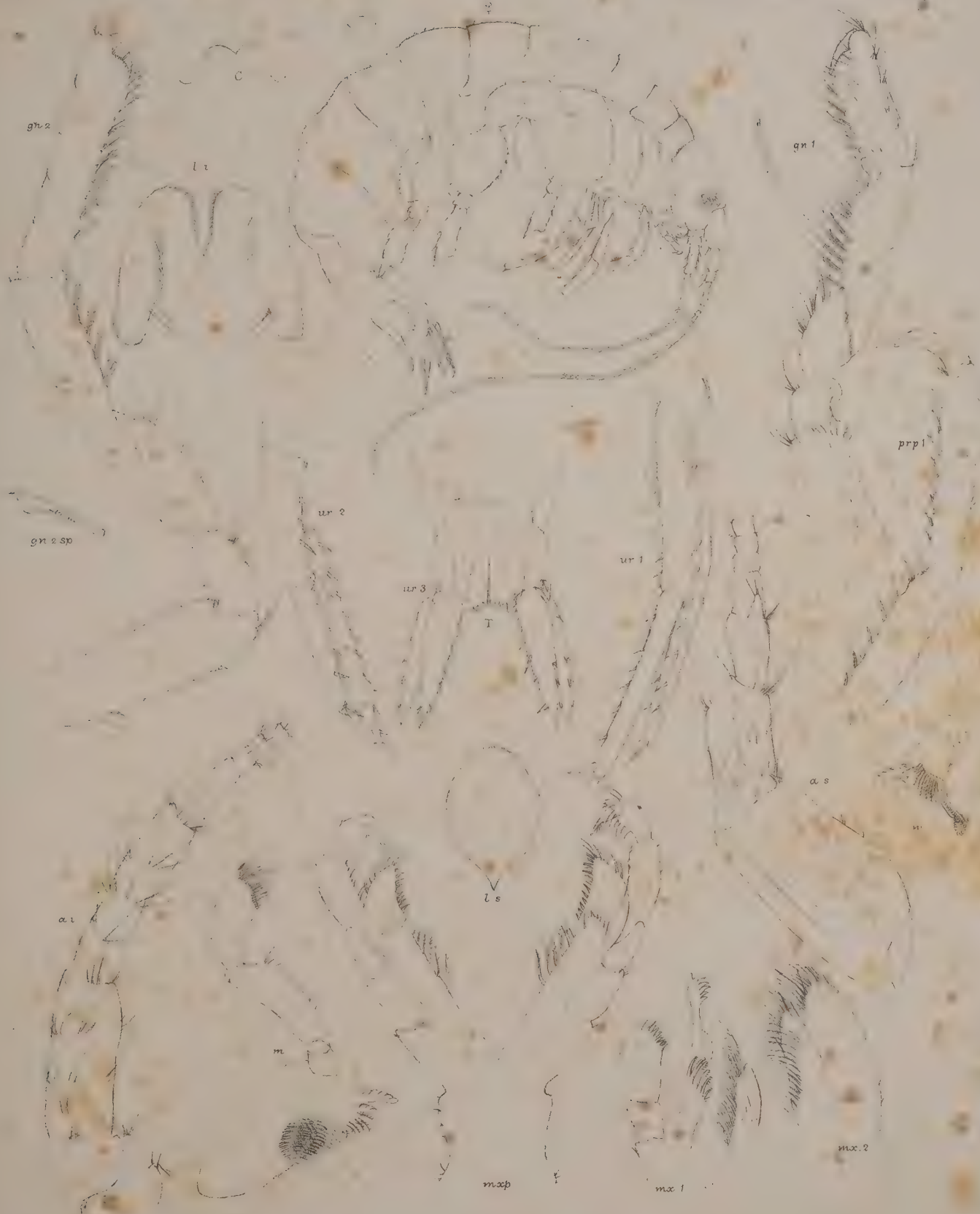
ATYLOIDES AUSTRALIS, Miers. (sp.).



T.R.P. Stebbing del.
C.S. Saunders sc.

ATYLOIDES ASSIMILIS, n. sp.

West Newman & Comp.



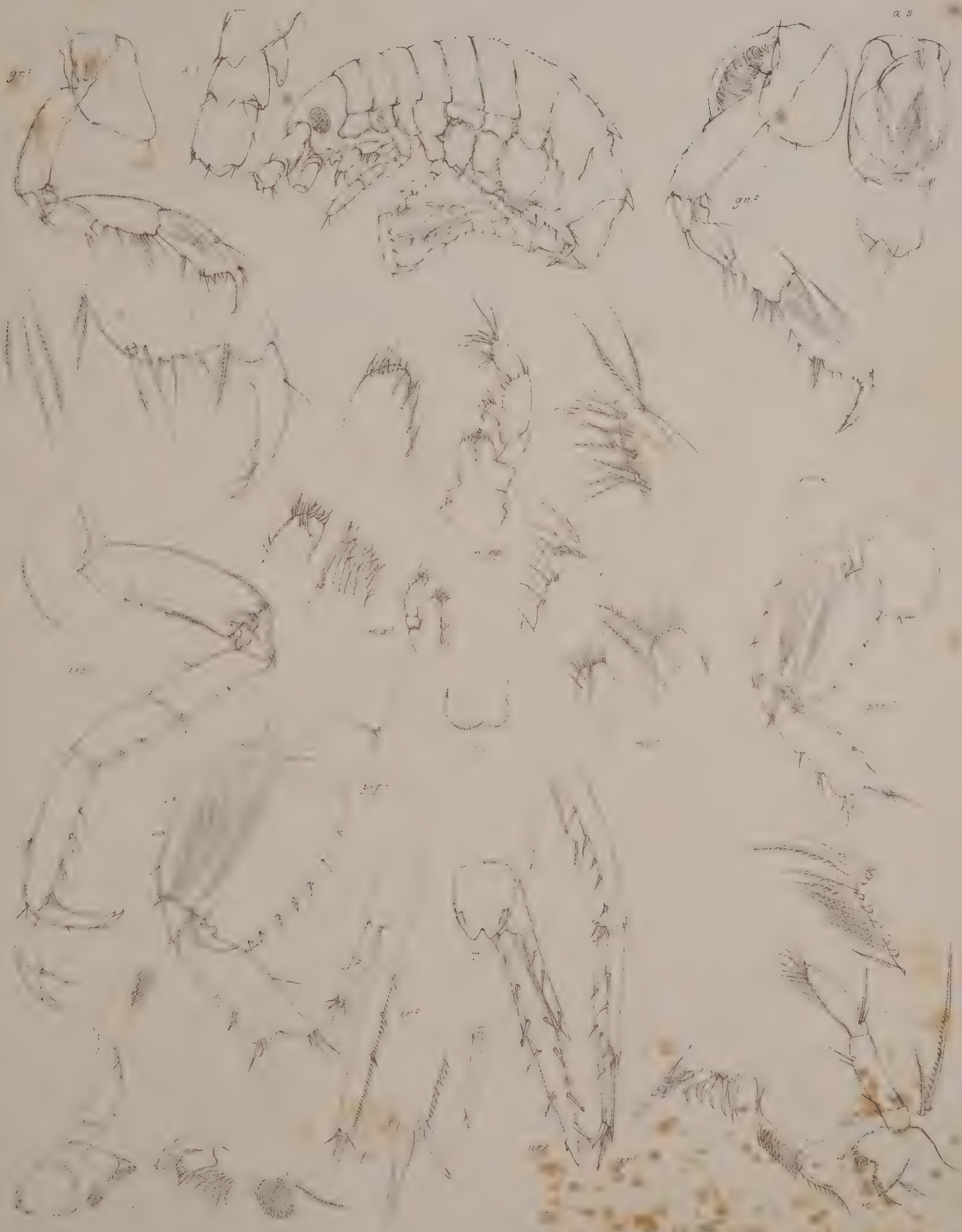
T.R.R. Stebbing del

Parker & Coward, lith.
West, Newman & Co imp.

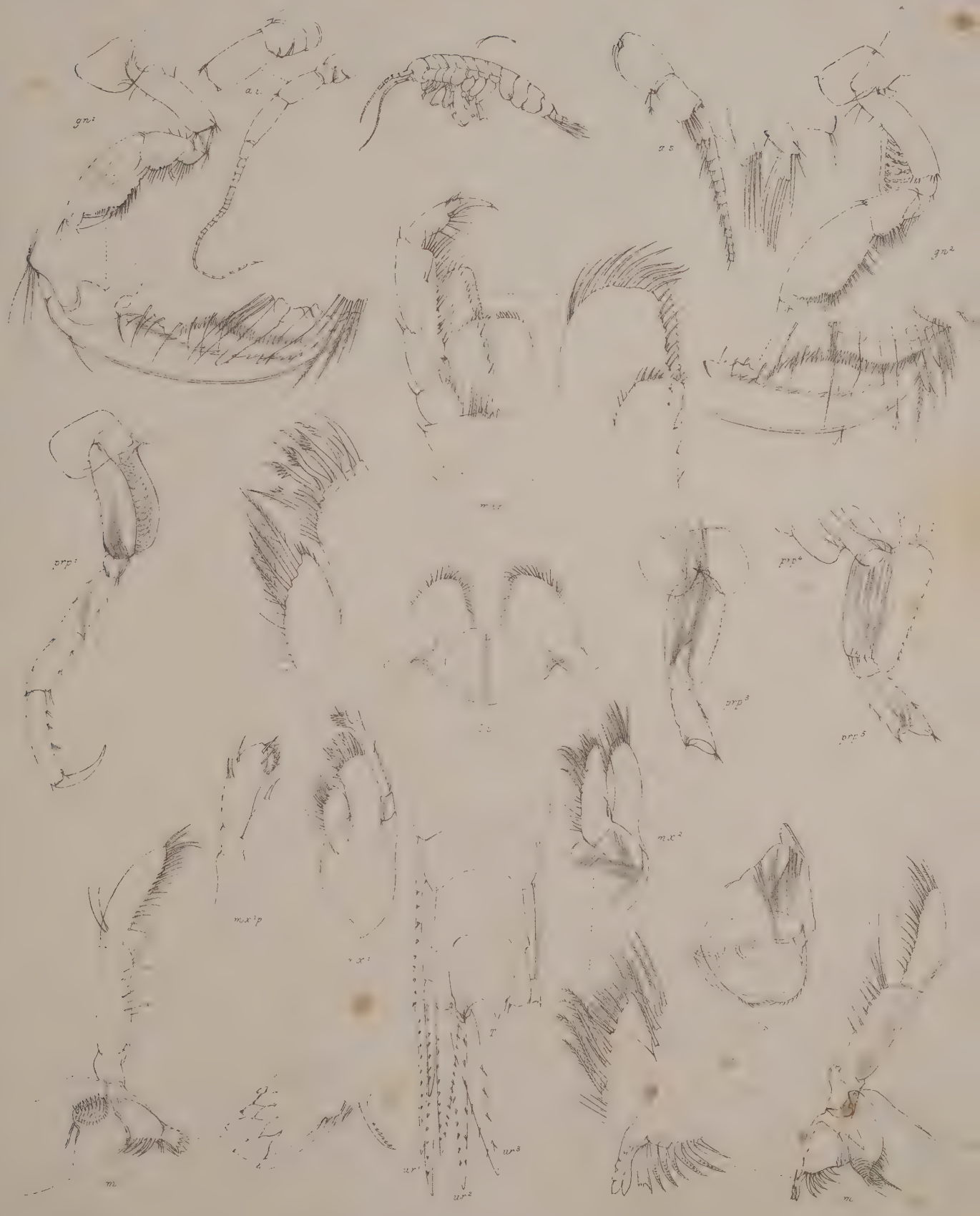
ATYLOIDES SERRATICAUDA, n. sp.

J. R. h. Stebbing del. F. H. Michael lith. Mintern Bros. imp.

ATYLOPSIS MAGELLANICUS, n. sp.



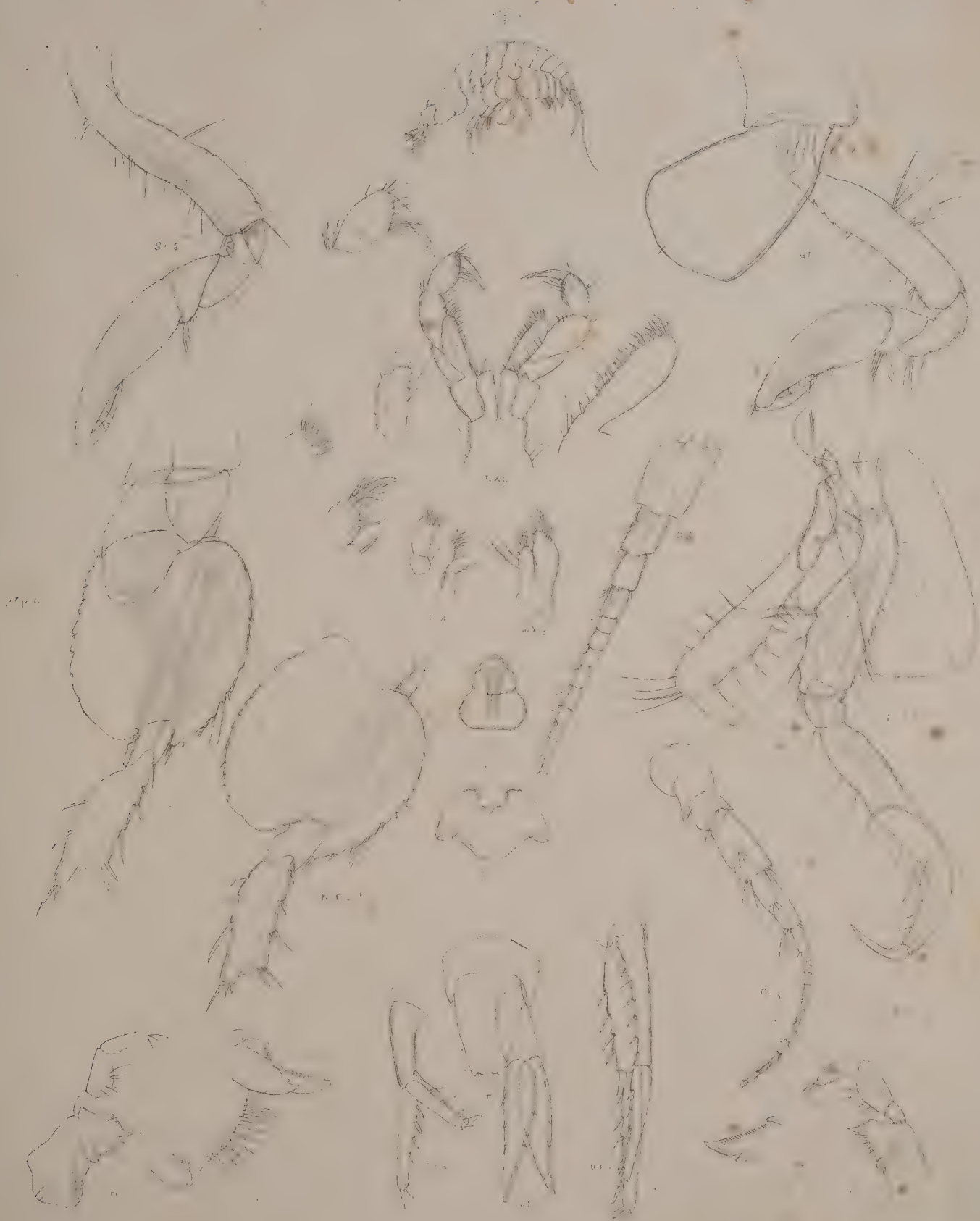
ATYLOPSIS DENTATUS, n. sp.



T.R.R. Stebbing del.

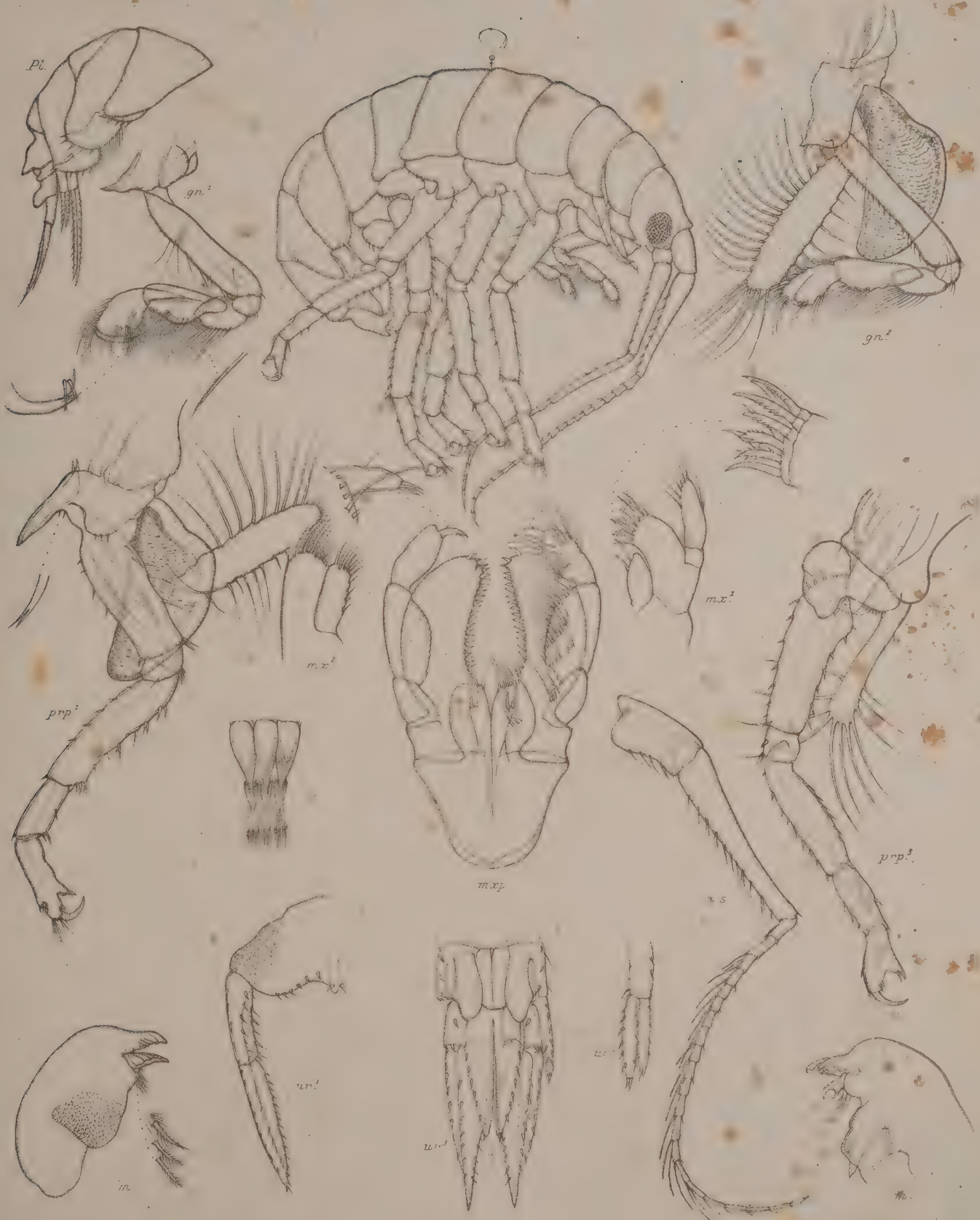
F. Huth, Lith^r Edin^r

ATYLOPSIS EMARGINATUS, n. sp.

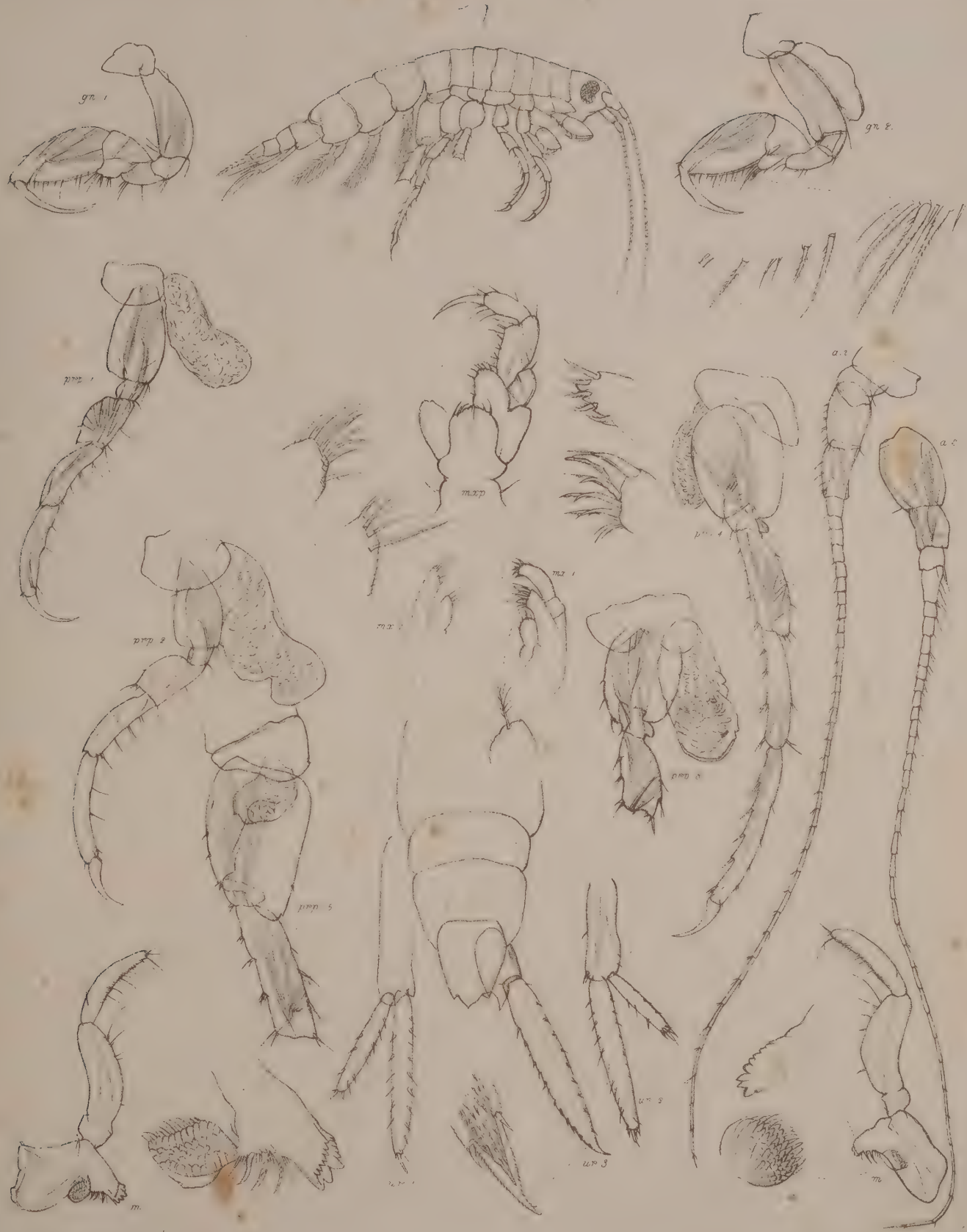


T.R.R. Stebbing del.
G.S. Saunders lith.

HARPINIOIDES · DREPANOCHEIR, n. sp.



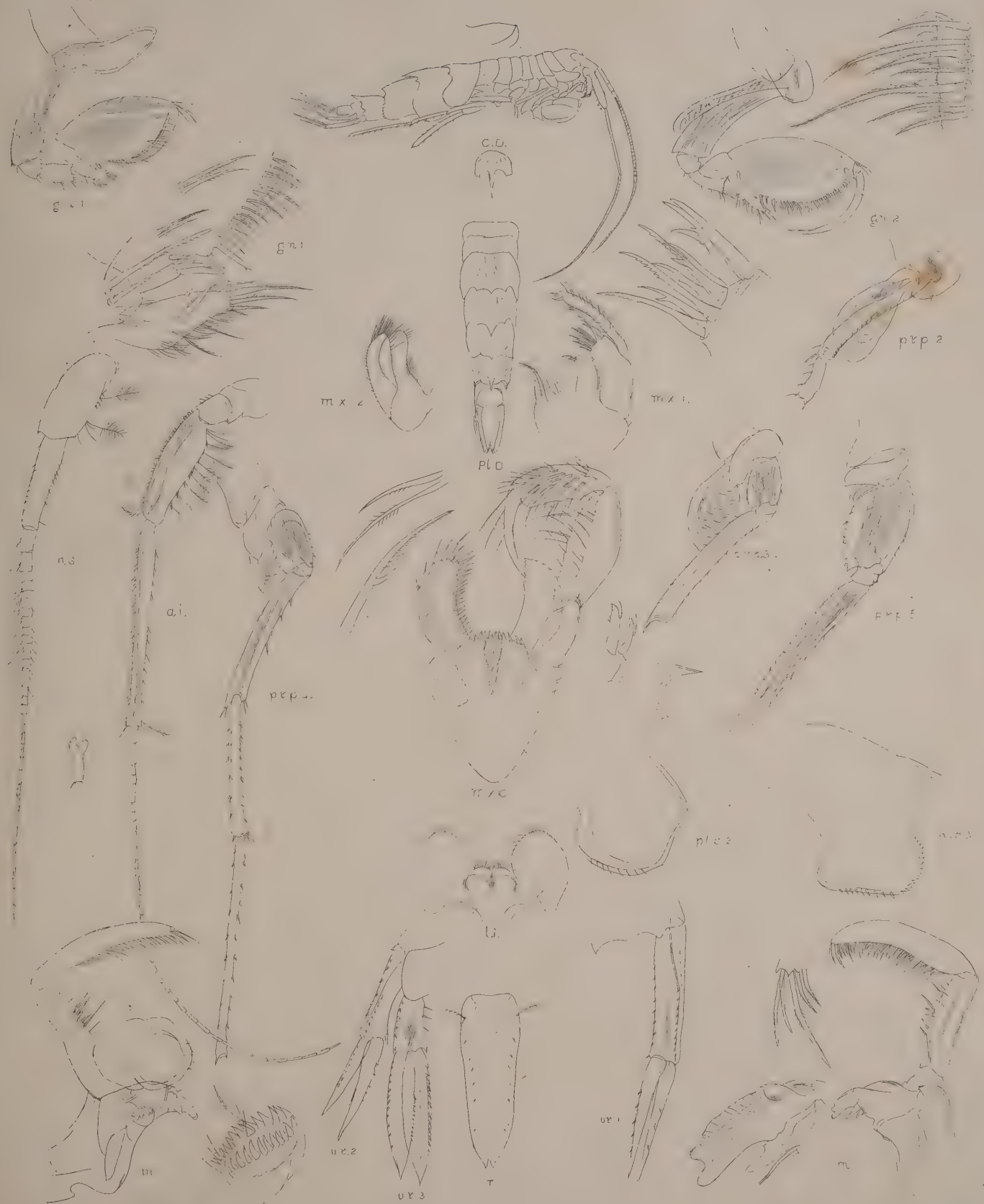
TRITAETA KERGUELENI, n. sp.



T. R. R. Stebbing, del

McFarlane & Erskine, Lith.rs Edinr

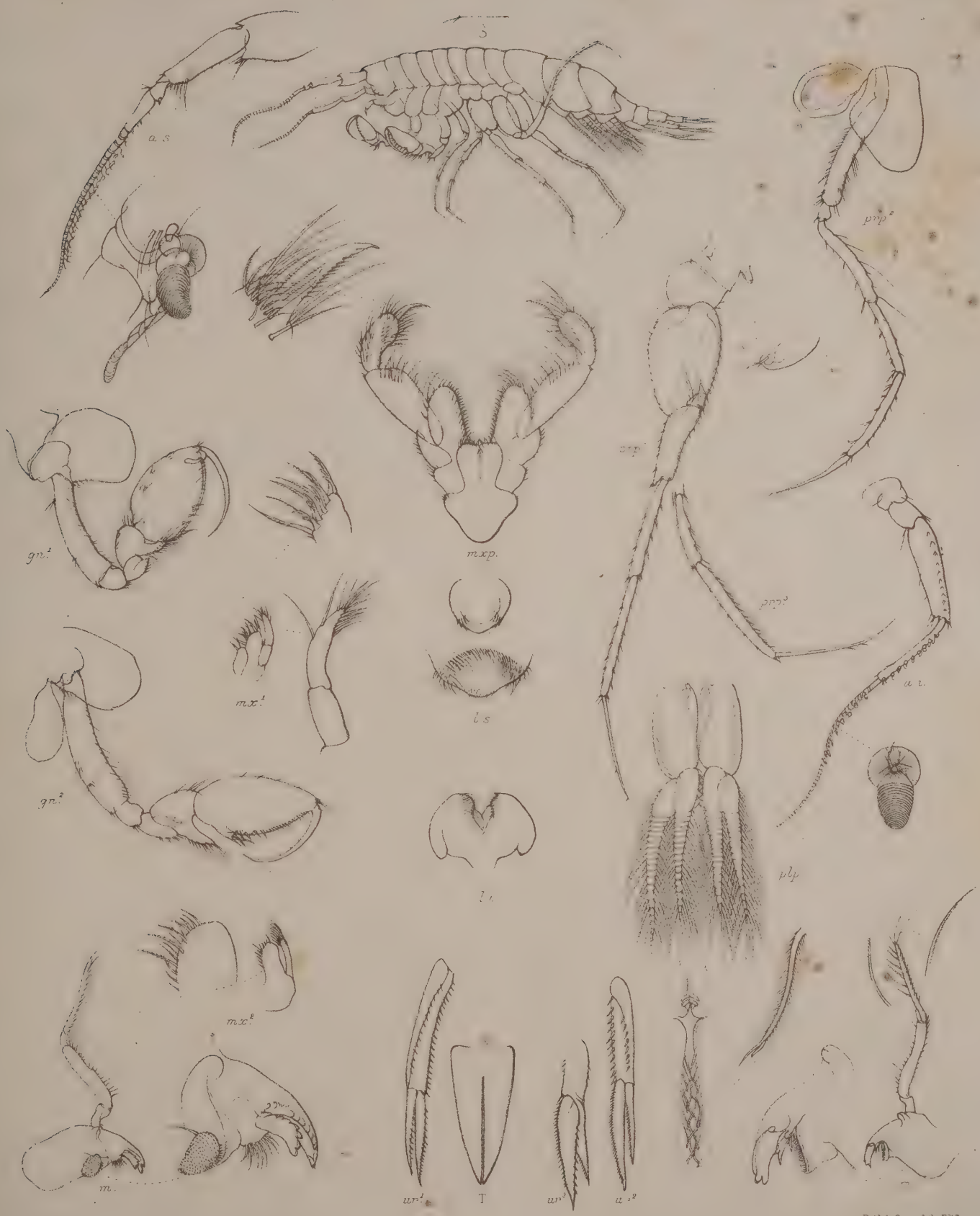
STENOPLEURA ATLANTICA, n. g et sp.



T.R.R.Stebbing del.
G.S.Saunders sc.

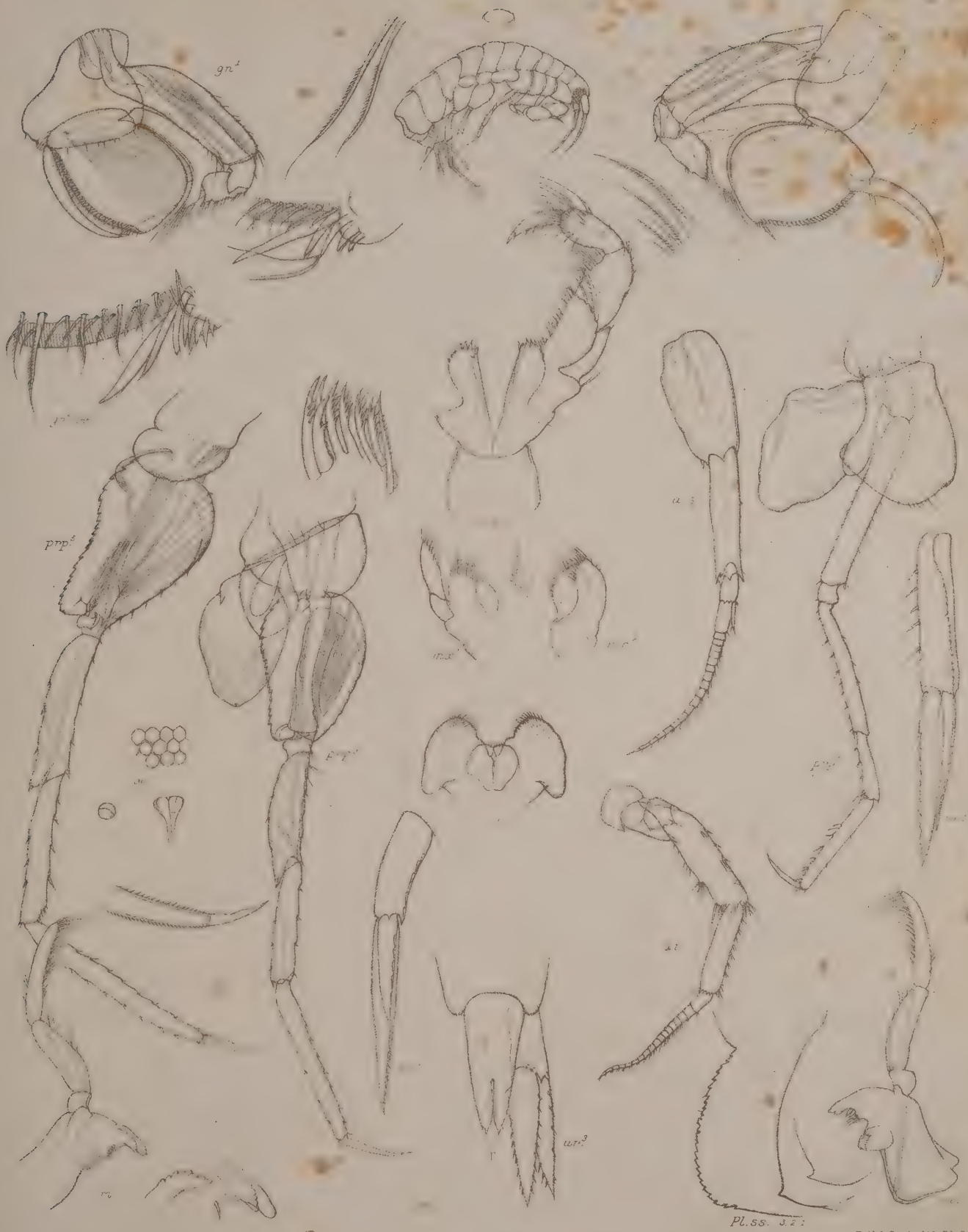
West, Newman & Co. imp.

RHACHOTROPIS KERGUELENI, n. sp.



T.R.R. Stebbing, del. Reid & Cowie, lith. Edinr

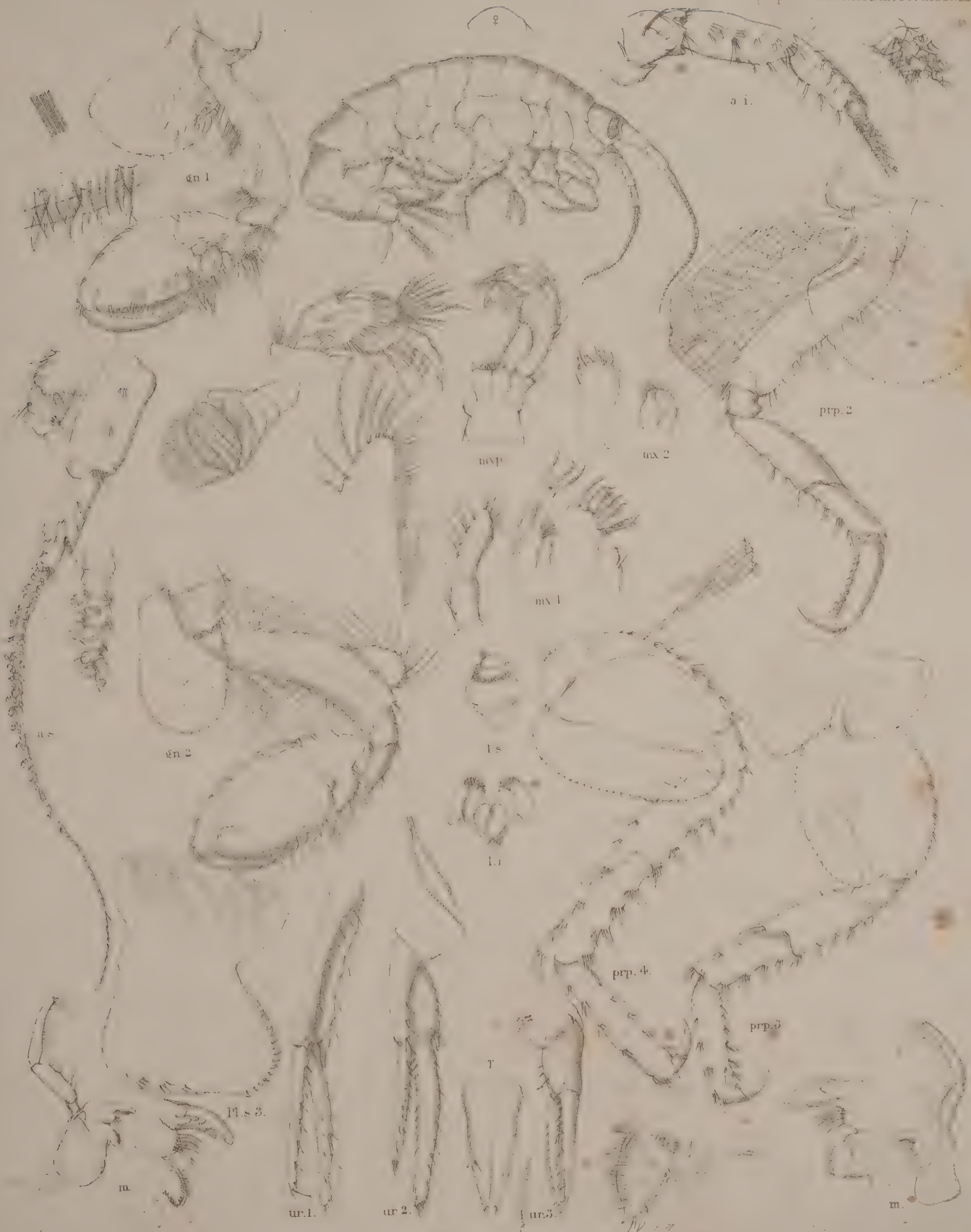
CLEONARDO LONGIPES, n. g. et sp.



T.R.R. Stebbing. del.

Reid & Cowie, Lith. Edinr.

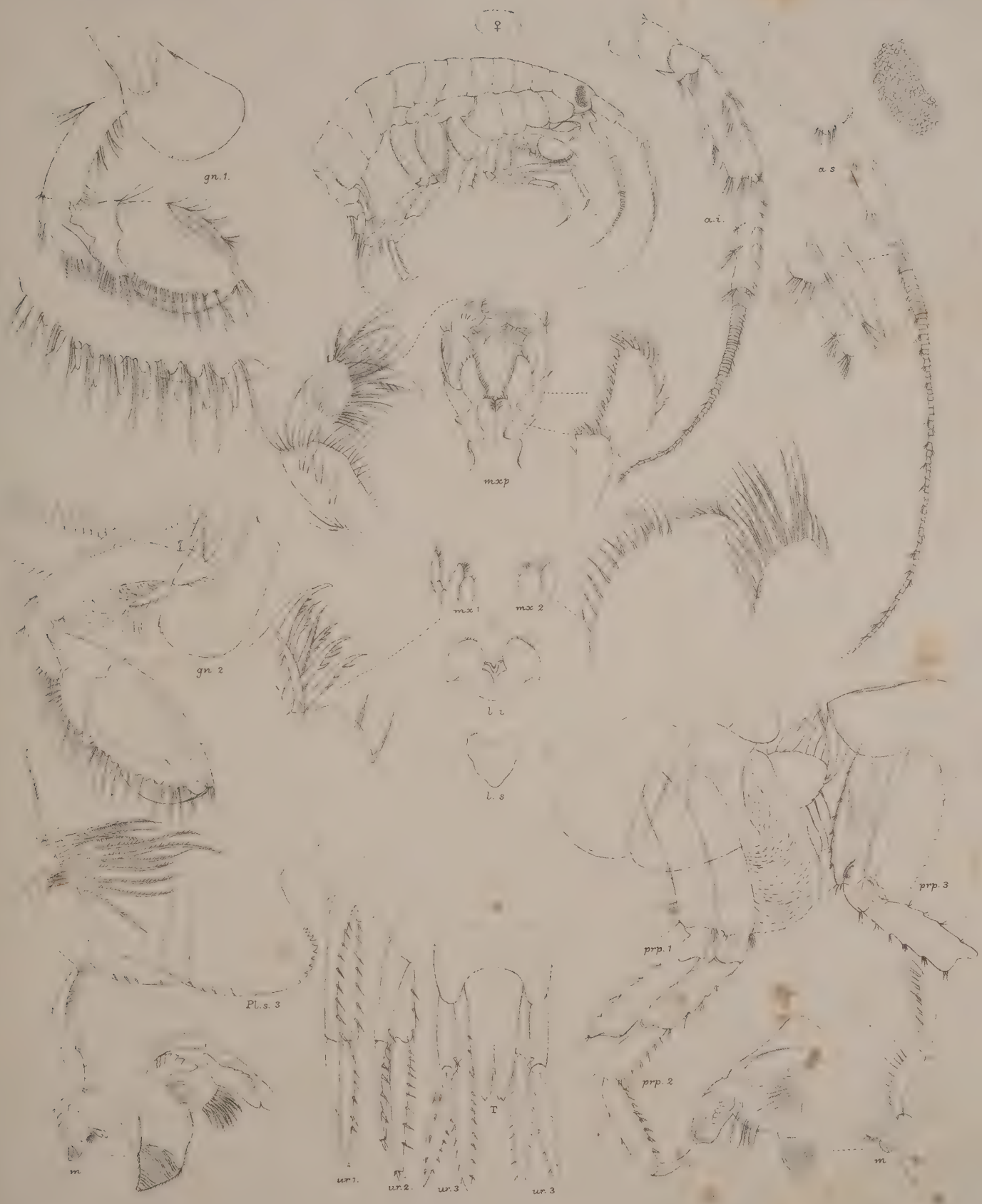
EUSIRUS LONGIPES, Boeck.



T.R.R. Stebbing del. F.H. Michael lith.

Mintern Bros. imp.

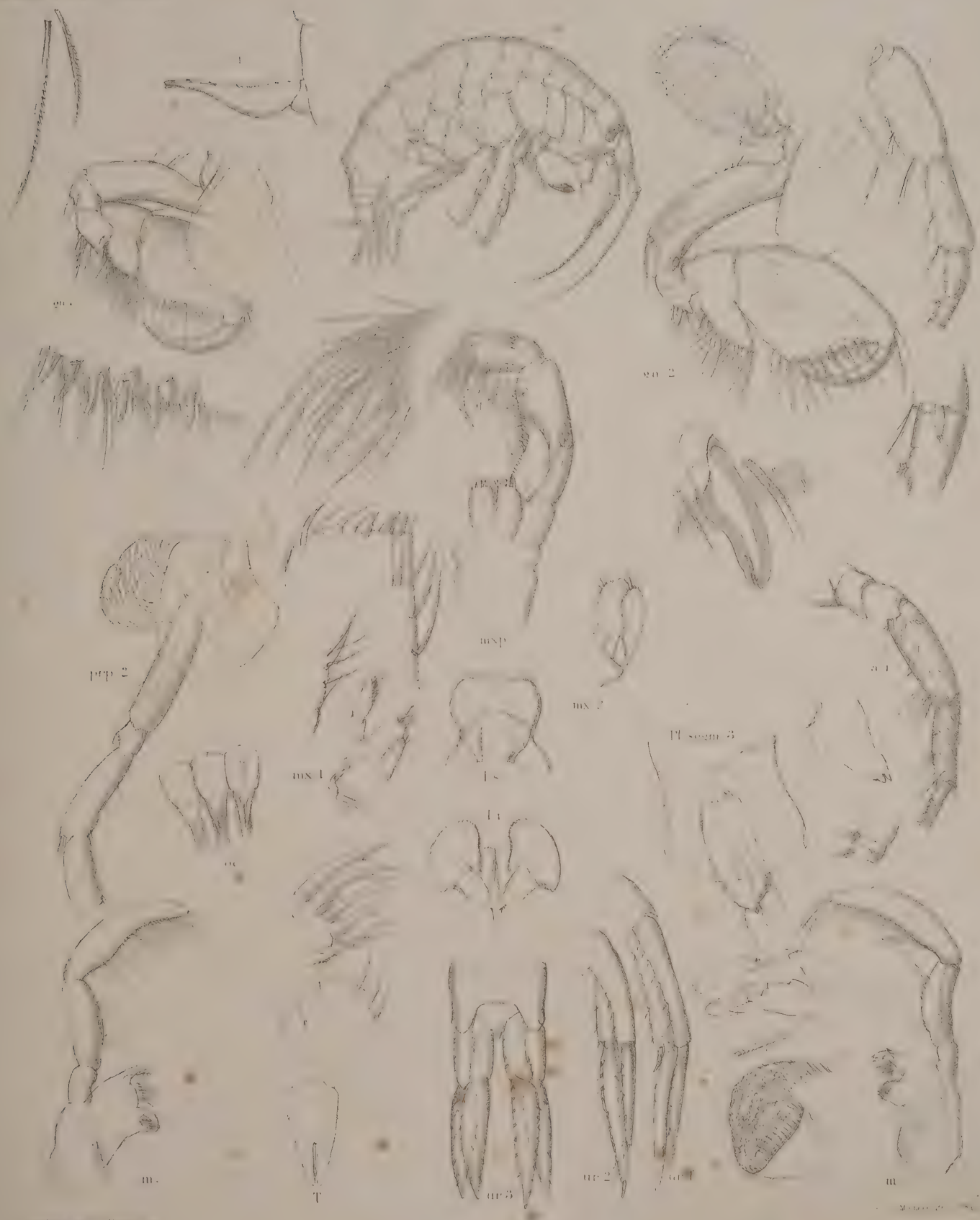
EUSIROIDES CÆSARIS, n.g. et sp.



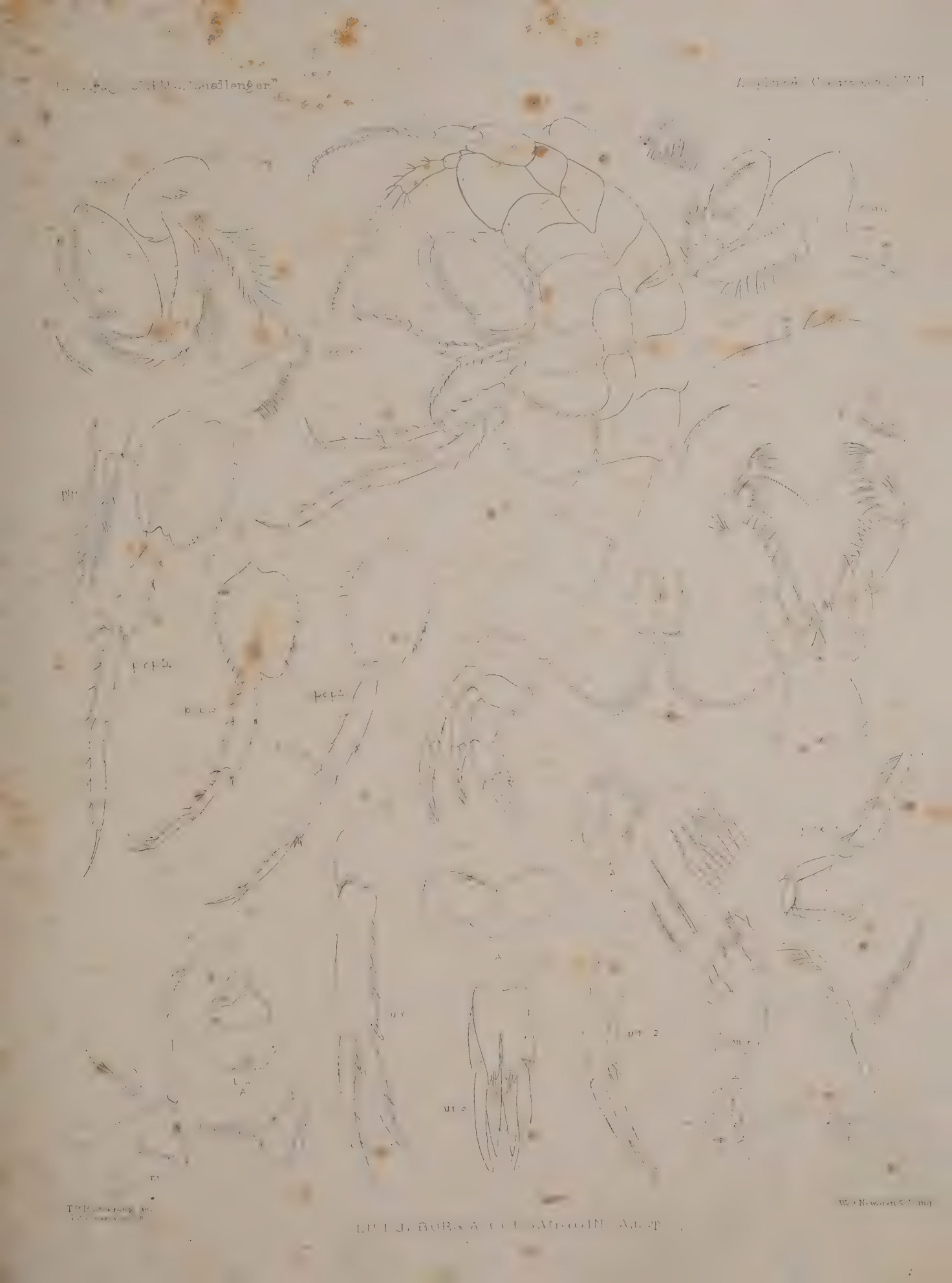
T R R Stebbing del.

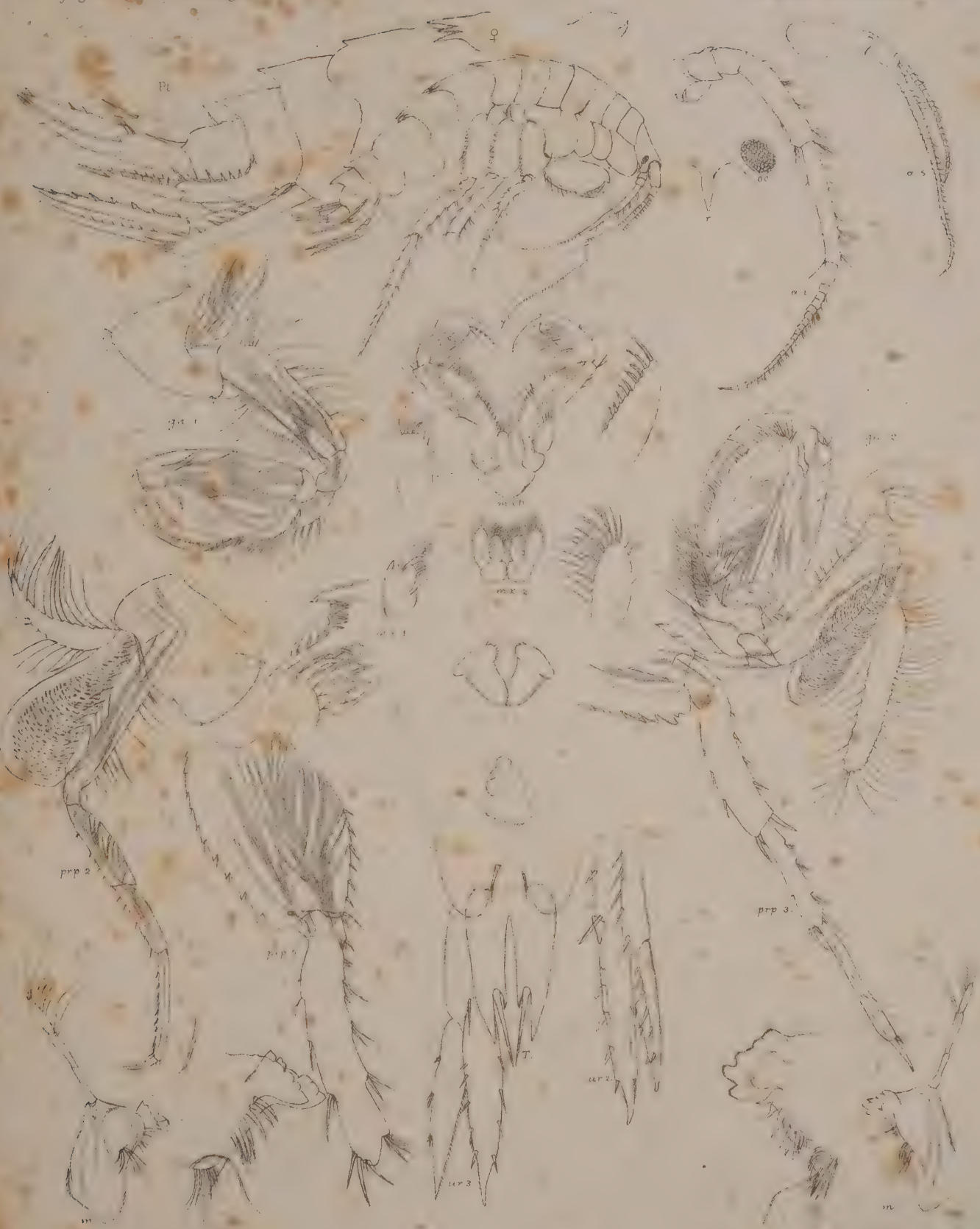
Parker & Coward, lith.
West, Newman & Co imp

EUSIROIDES POMPEII, n. sp.



EUSIROIDES CRASSI.

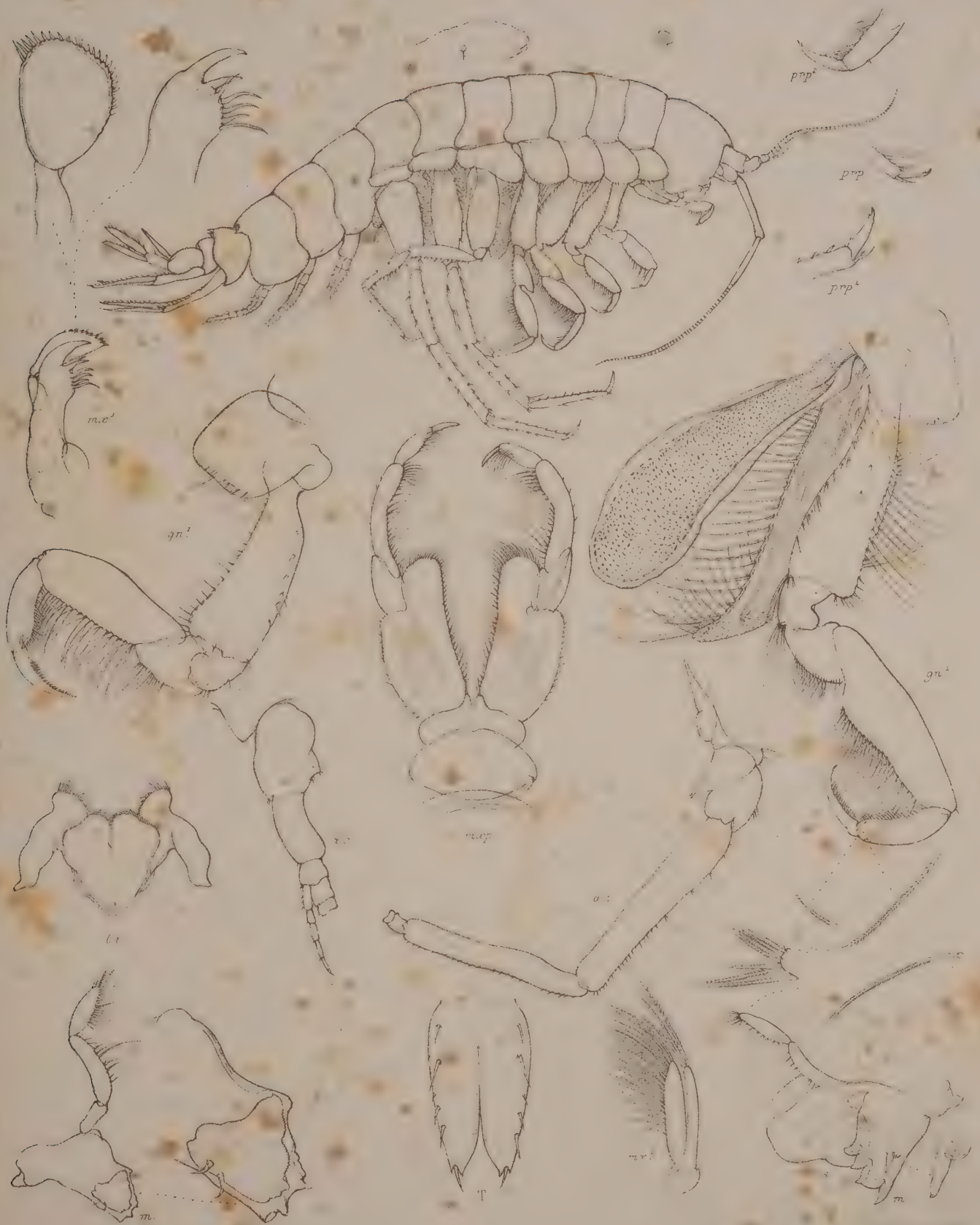




T. R. R. Stebbing del.

Parker & Coward, lith.
West, Newman & Co imp

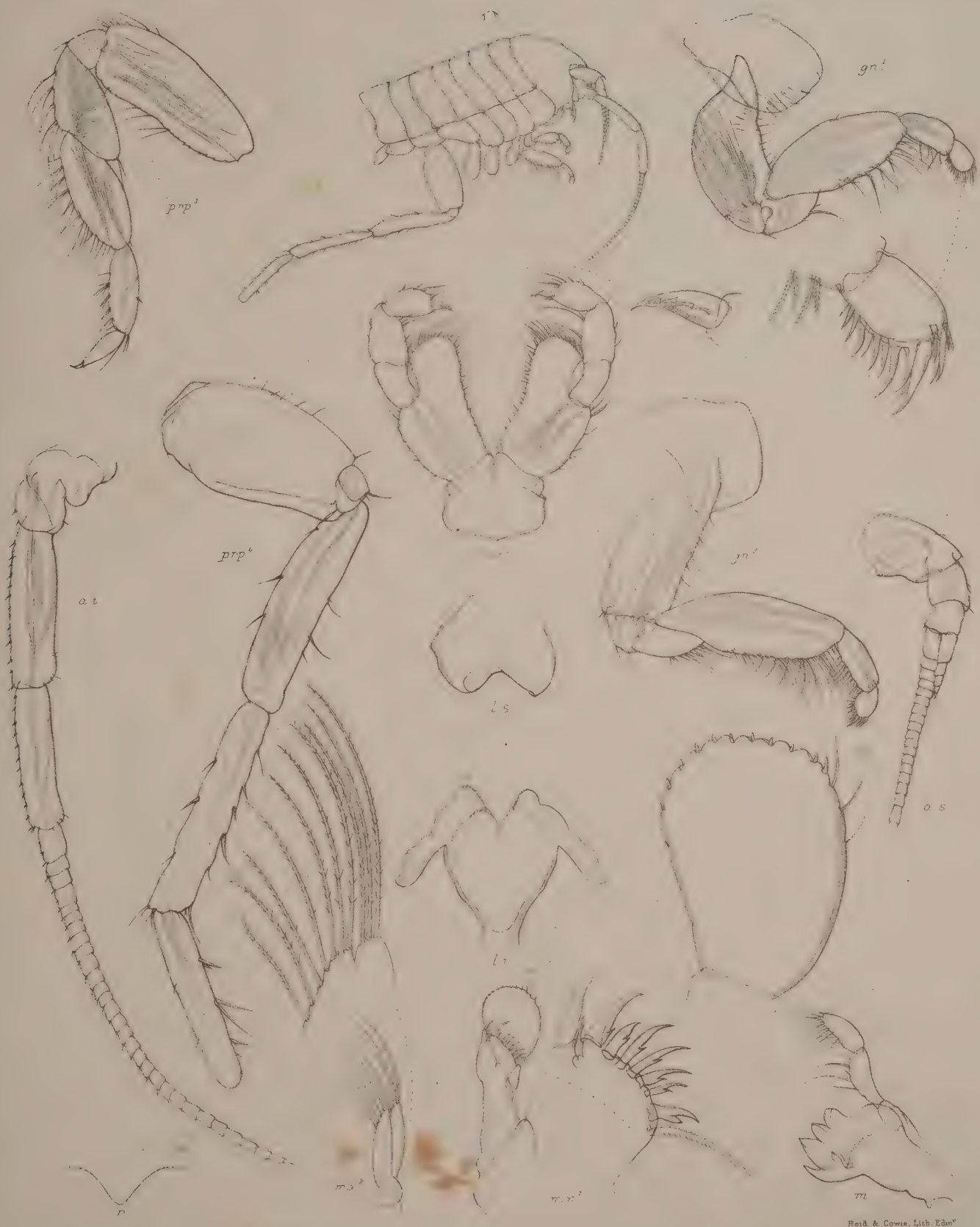
LILLJEBORGIA HASWELLI, n. sp.



F.R.P. Stebbing, del.

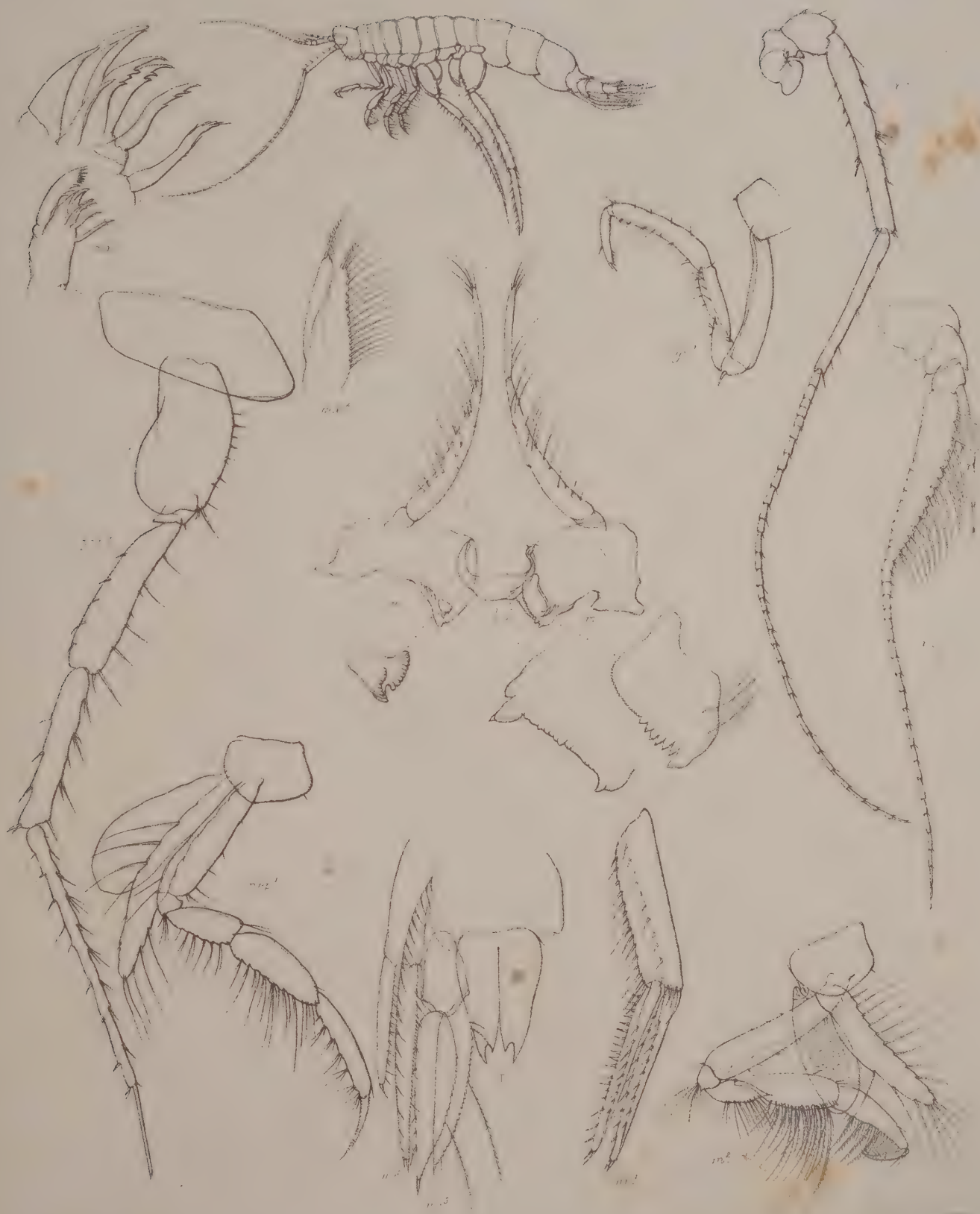
Reid & Lowe lith. Edin.

PARDALISCA ABYSSI, Boeck.



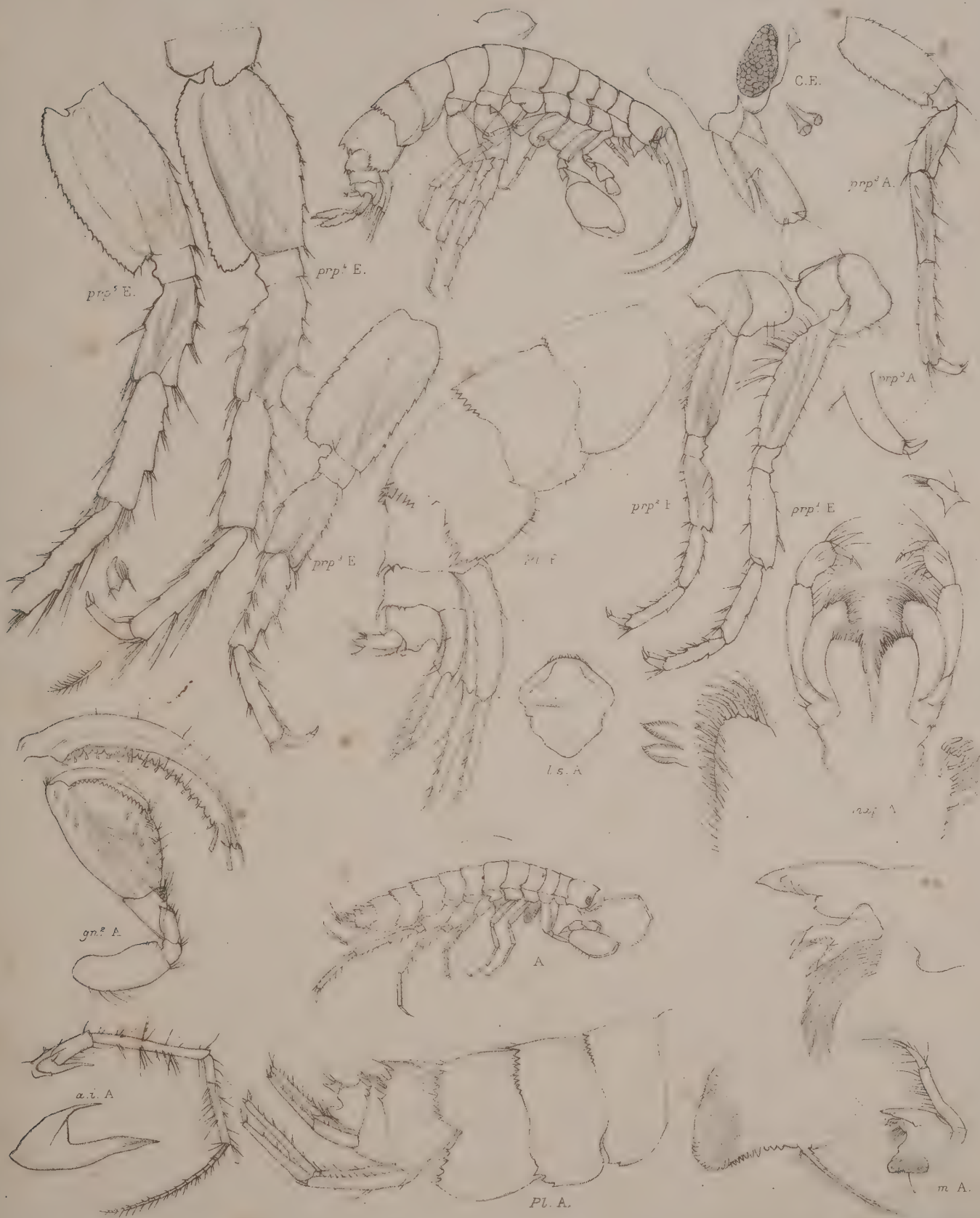
Reid & Cowie, Lith. Edin^r

PARDALISCA MARIONIS, n. sp.



T.R.N.Stebbing, del.

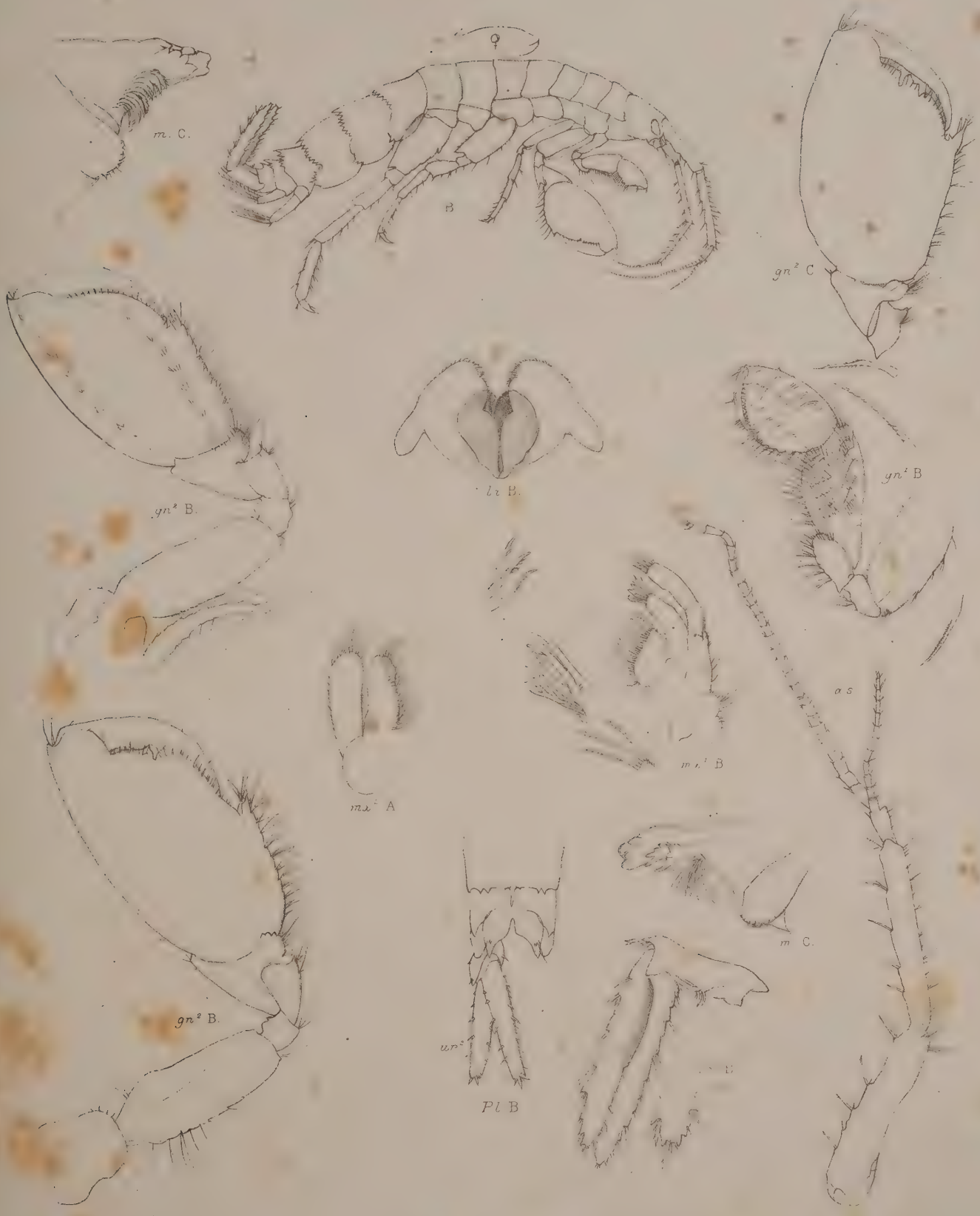
SYNOPIOIDES MACRONYX, n. g. et sp.



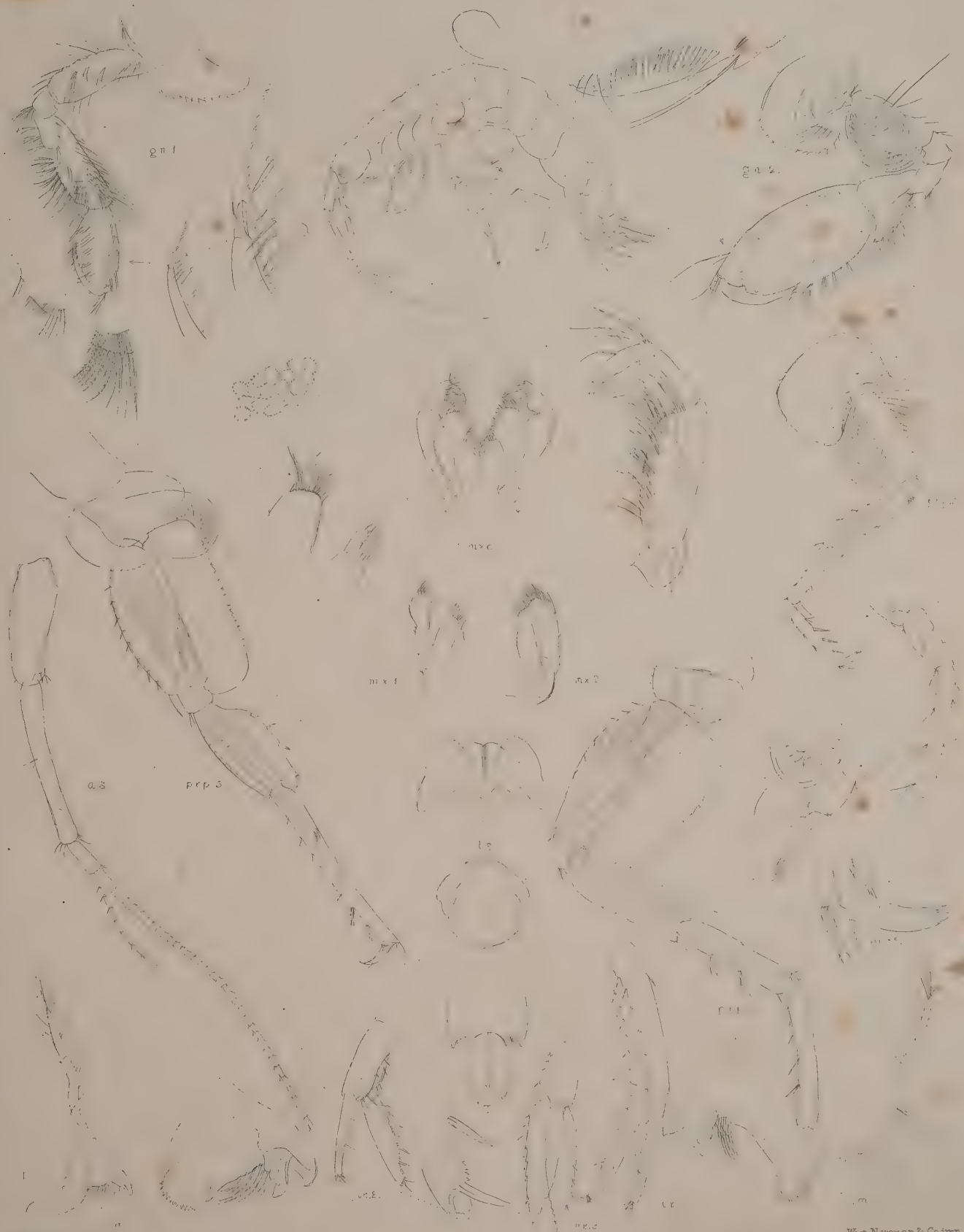
T.R.R. Stebbing, del.

M^c Farlane & Erskine, Lith^rs Edin^r

MÆRA RUBROMACULATA, Stimpson (sp.).



MÆRA RUBROMACULATA, Stimpson (sp).

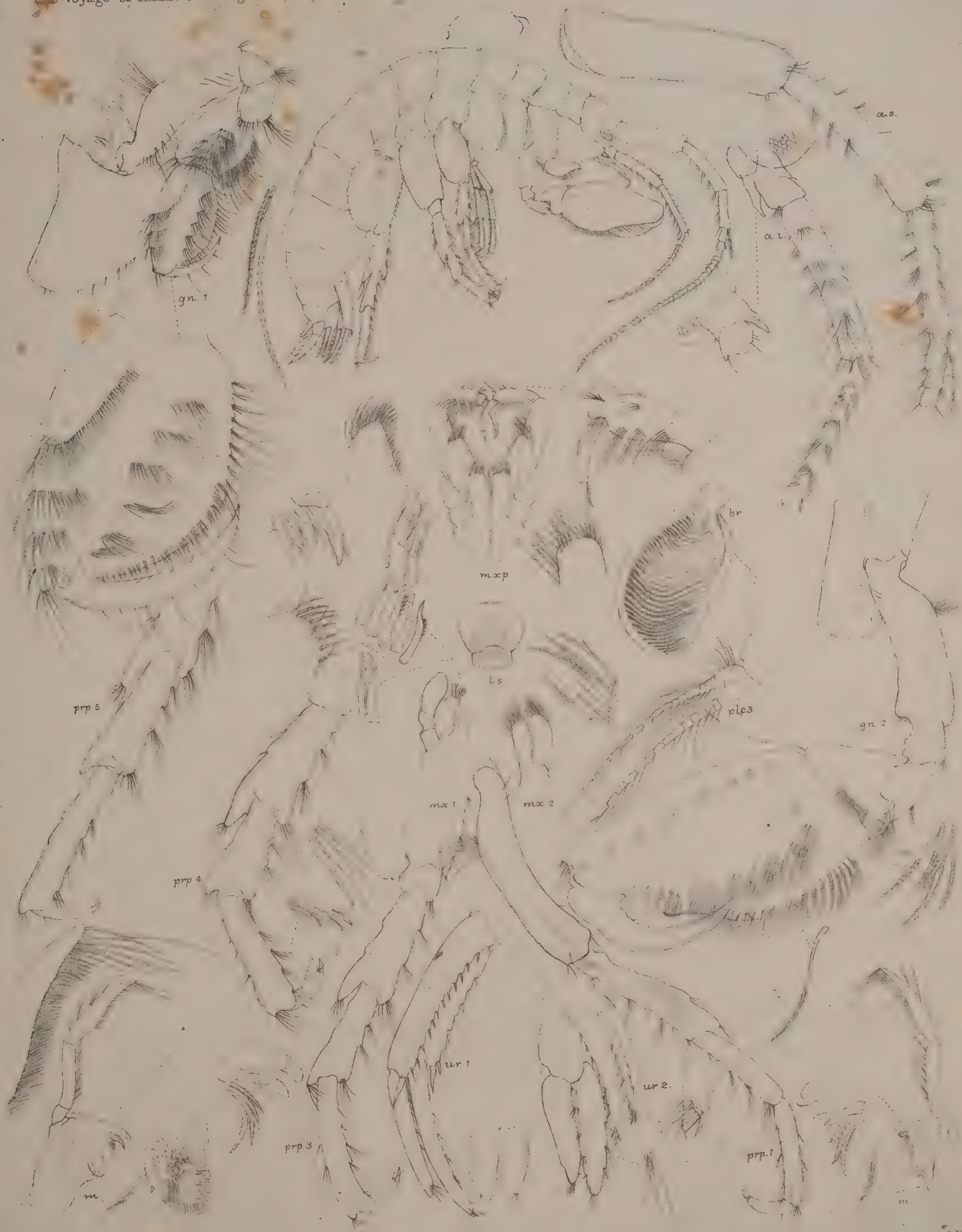


MÆRA BRUZELII, n. sp.

T.R.R. Stebbing del

Parker & Coward, lith
West, Newman & Co imp

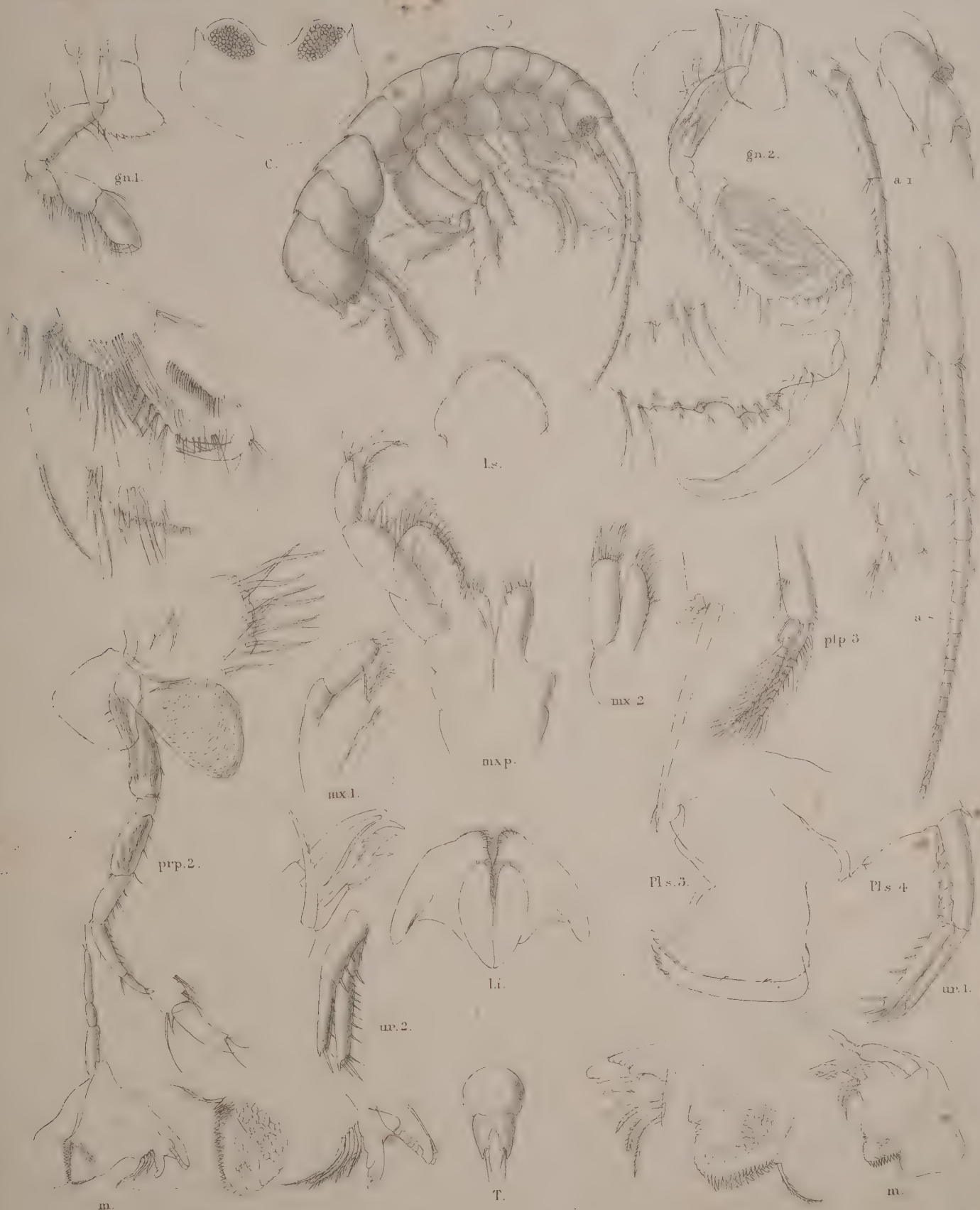
ELASMOPUS PERSETOSUS, n. sp.



T.R.R. Stebbing del.

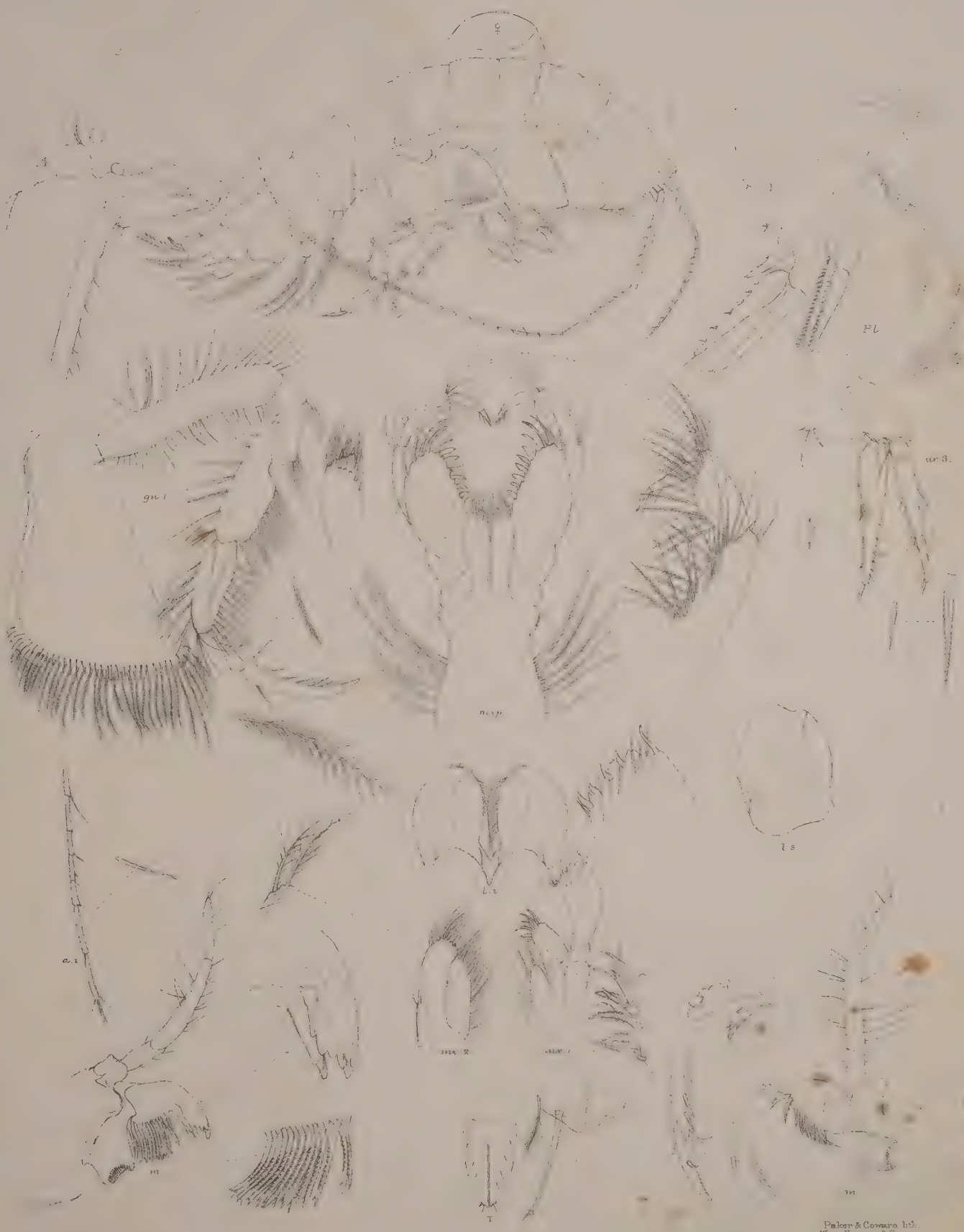
Parker & Coward, lith.
West, Newman & Co, imp.

ELASMOPUS DELAPLATA, n sp.



T. R. R. Stebbing del. W. H. Crowther lith. Mintern Bros. imp.

PARELASMOPUS SULUENSIS, Dana, (sp).



T.R.R. Stebbing del.

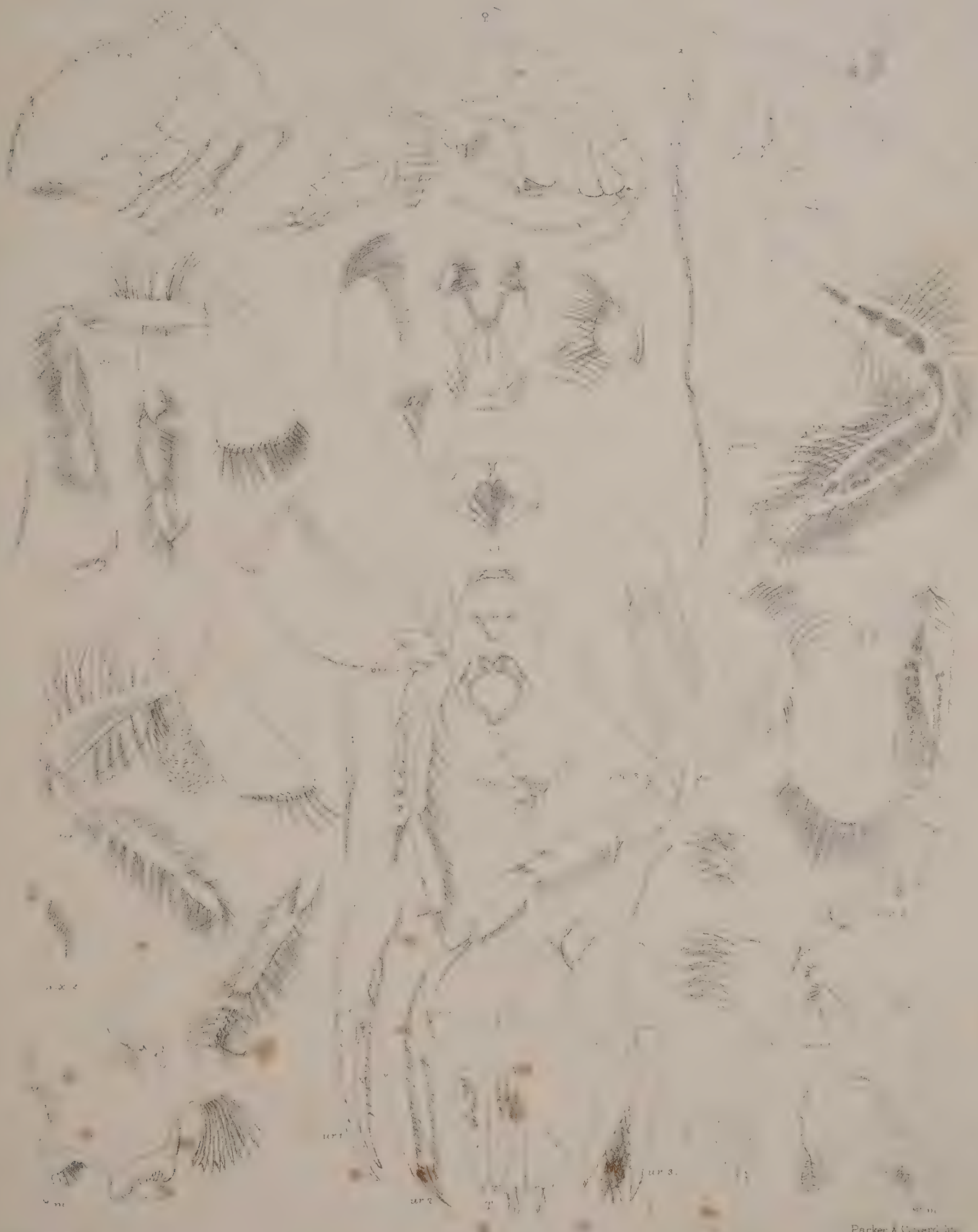
Palser & Cowara lith.
West, Newman & Co imp.

AMPELISCA ACINACES, n. sp.

W. & R. Stebbing del

Parker & Coward, lith.
West, Newman & Co. imp.

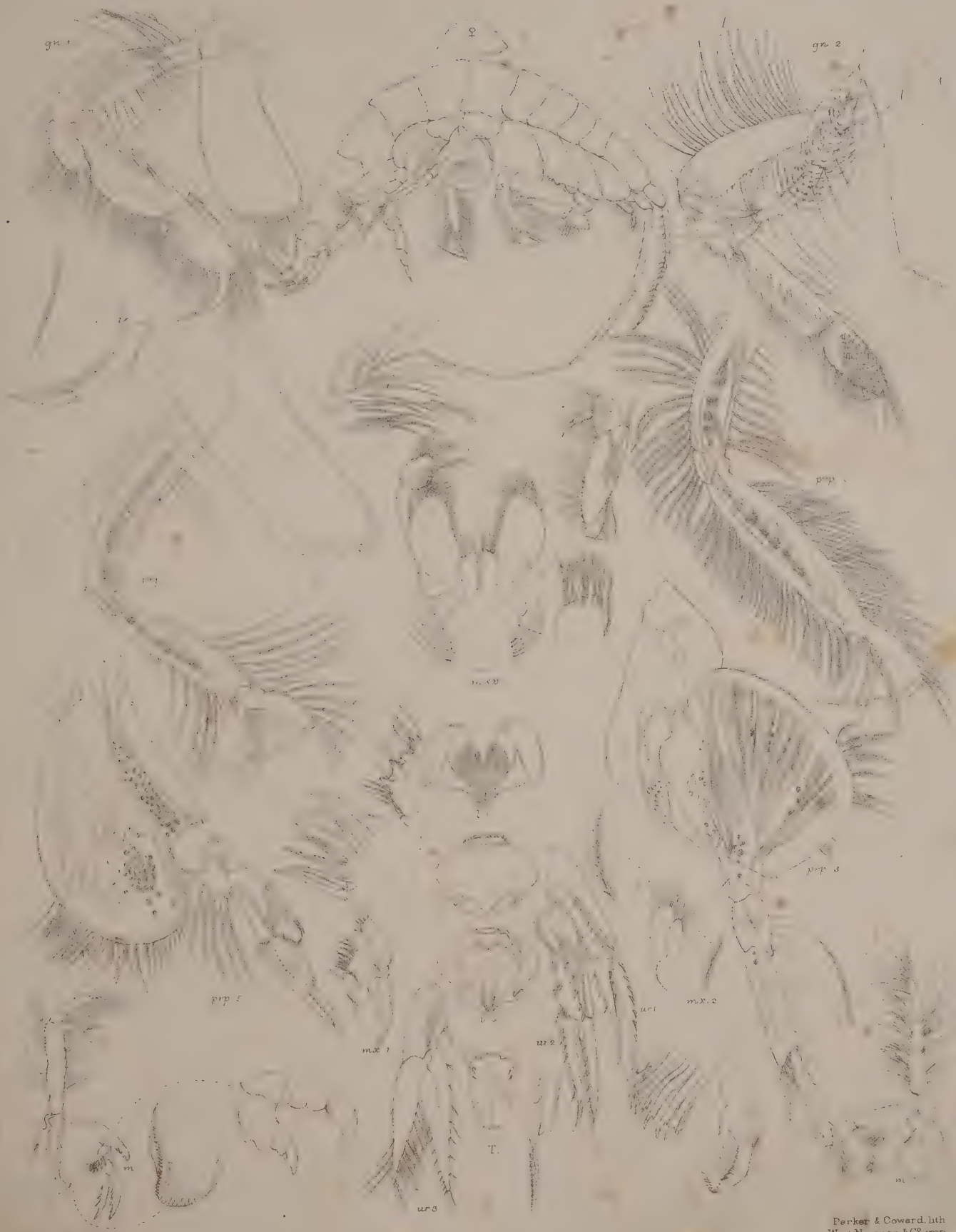
AMPELISCA ACINACES, n. sp.



T.R. W. Stebbing del.

Parker & Coward, lith.
West, Newman & Co. imp.

AMPELISCA CHILTONI, n. sp.

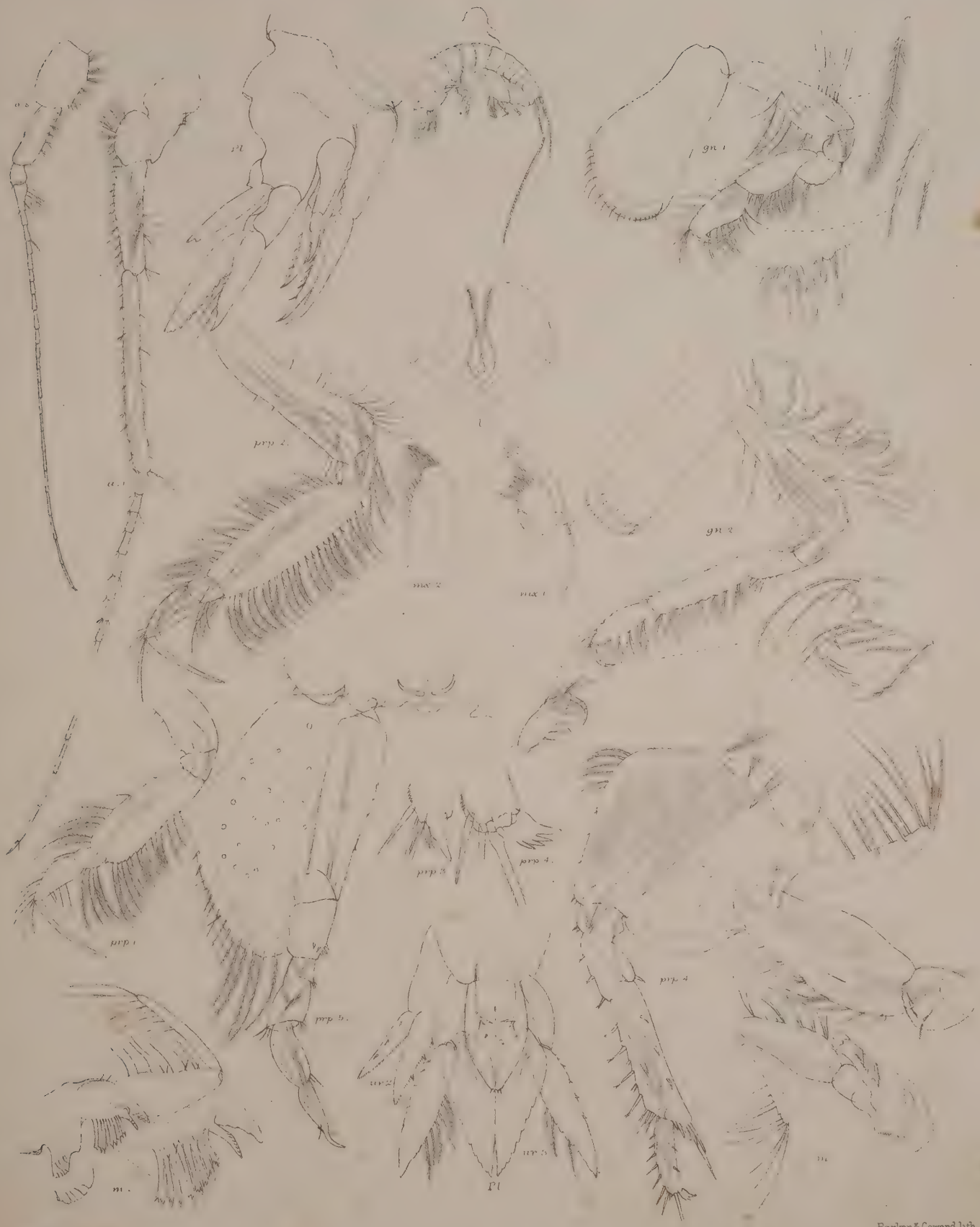


T R R. Stebbing del

AMPELISCA ABYSSICOLA, n.sp.

Parker & Coward, lith
West, Newman & Co, imp.

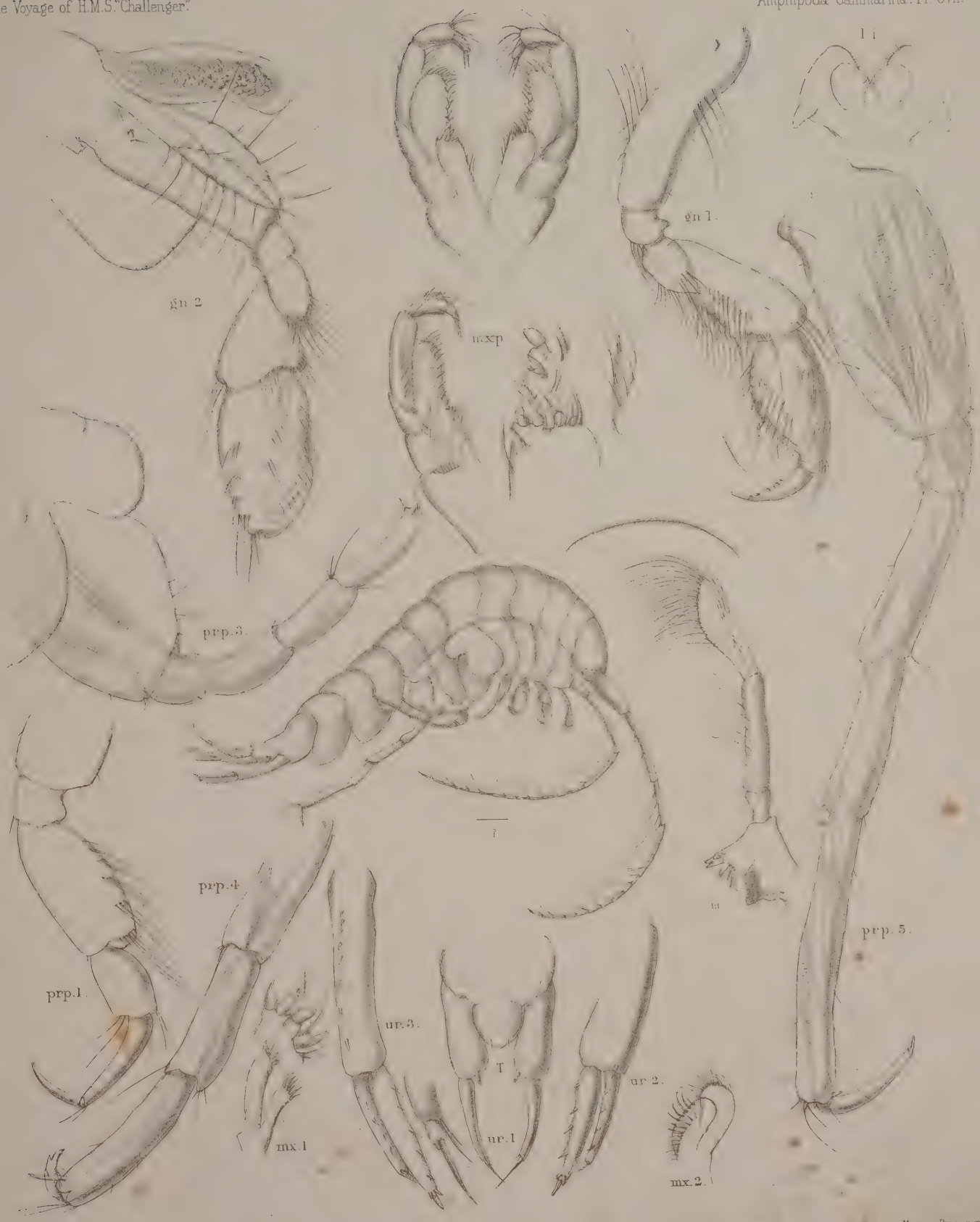
AMPELISCA FUSCA, n. sp.



T.M.R. del. et lith.

Parker & Coward, lith
West, Newman & Co. imp

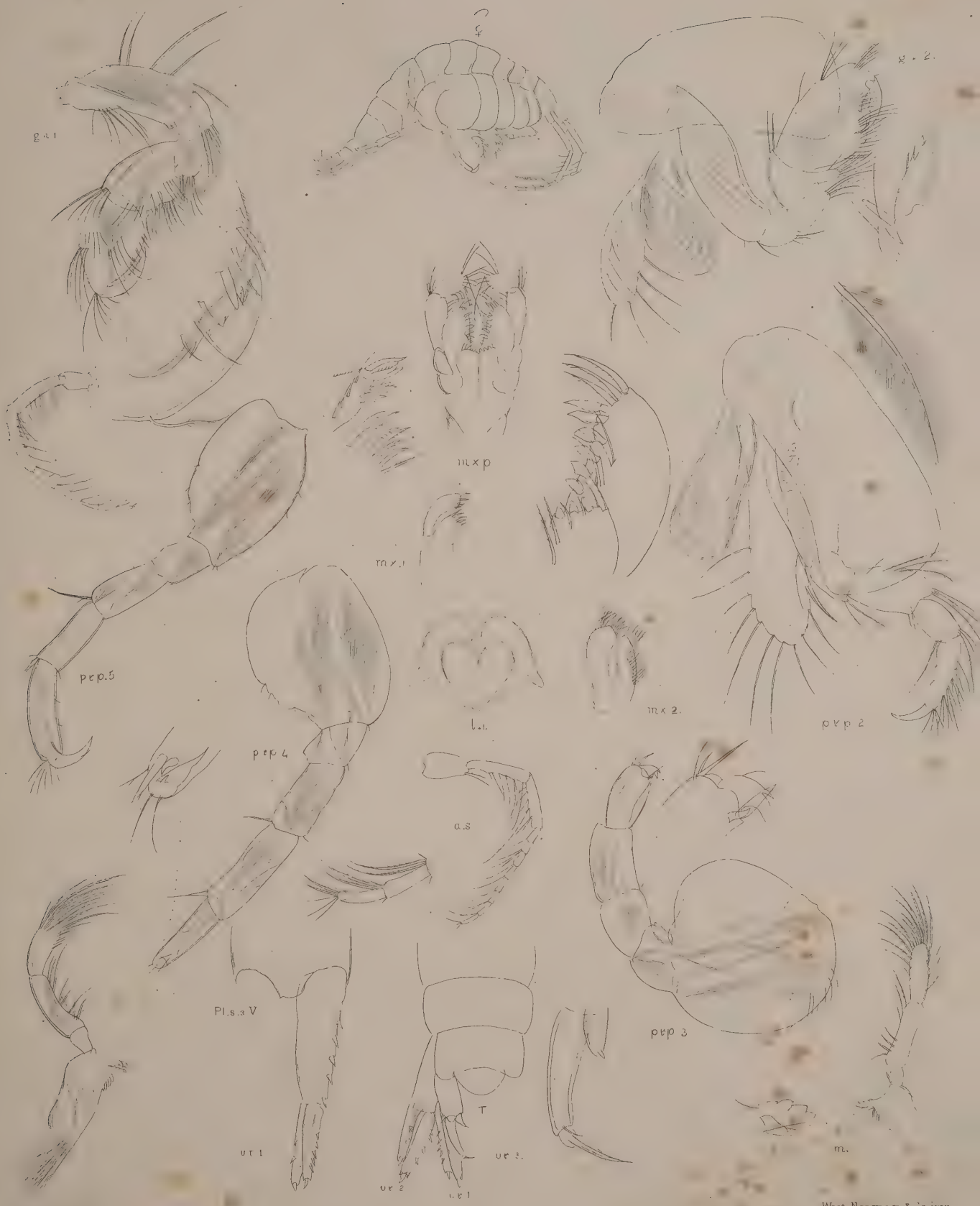
AMPELISCA ZAMBOANGÆ, n. sp.



T.R.P. Stebbing del. F.H. Michael lith.

Mintern Bros. imp.

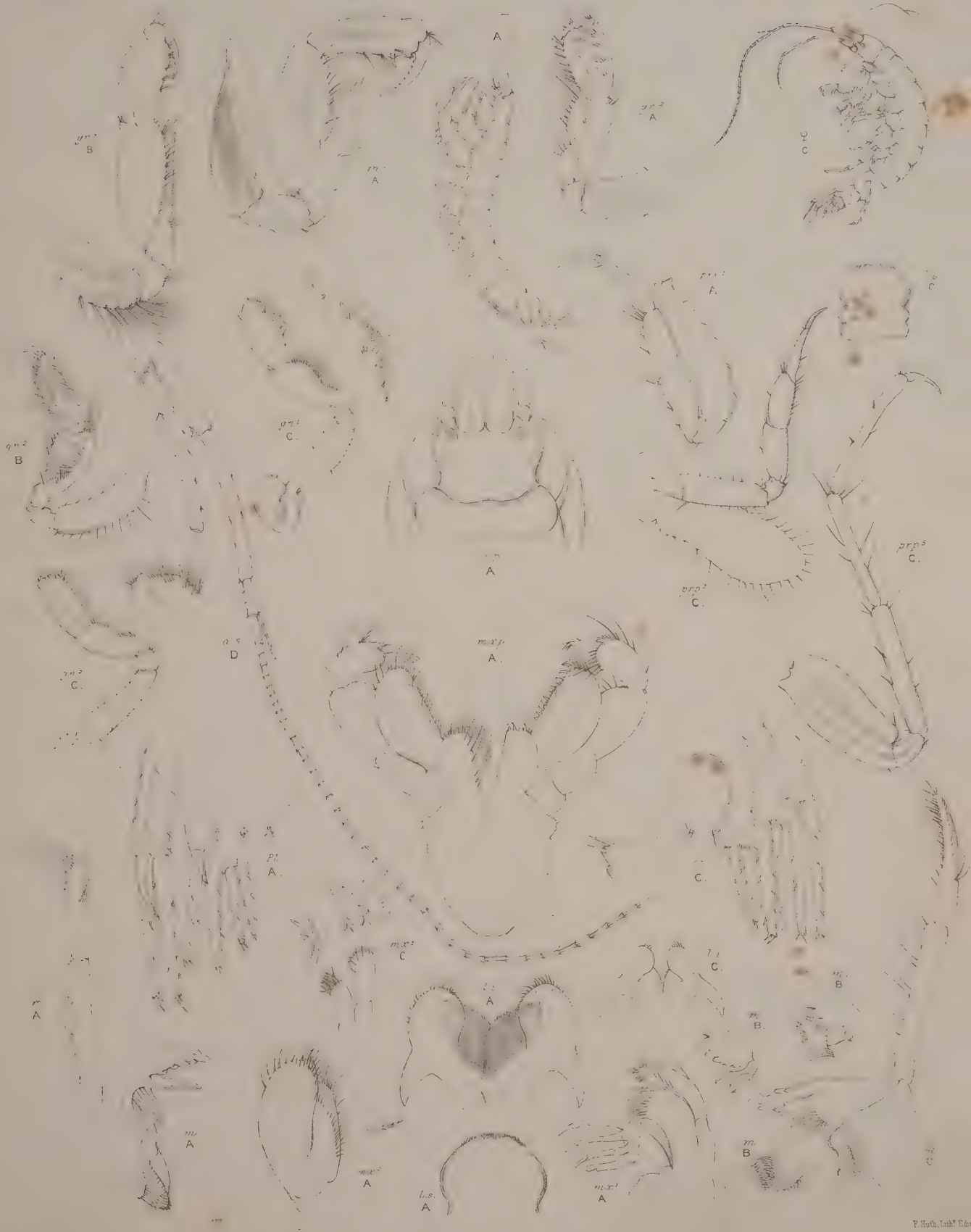
PHOTIS MACROCARPUS, n. sp.



T.R.R. Stebbing del.
G.T. Saunders sc.

West, Newman & Co imp.

PHOTIS BREVICAUDATA, n sp

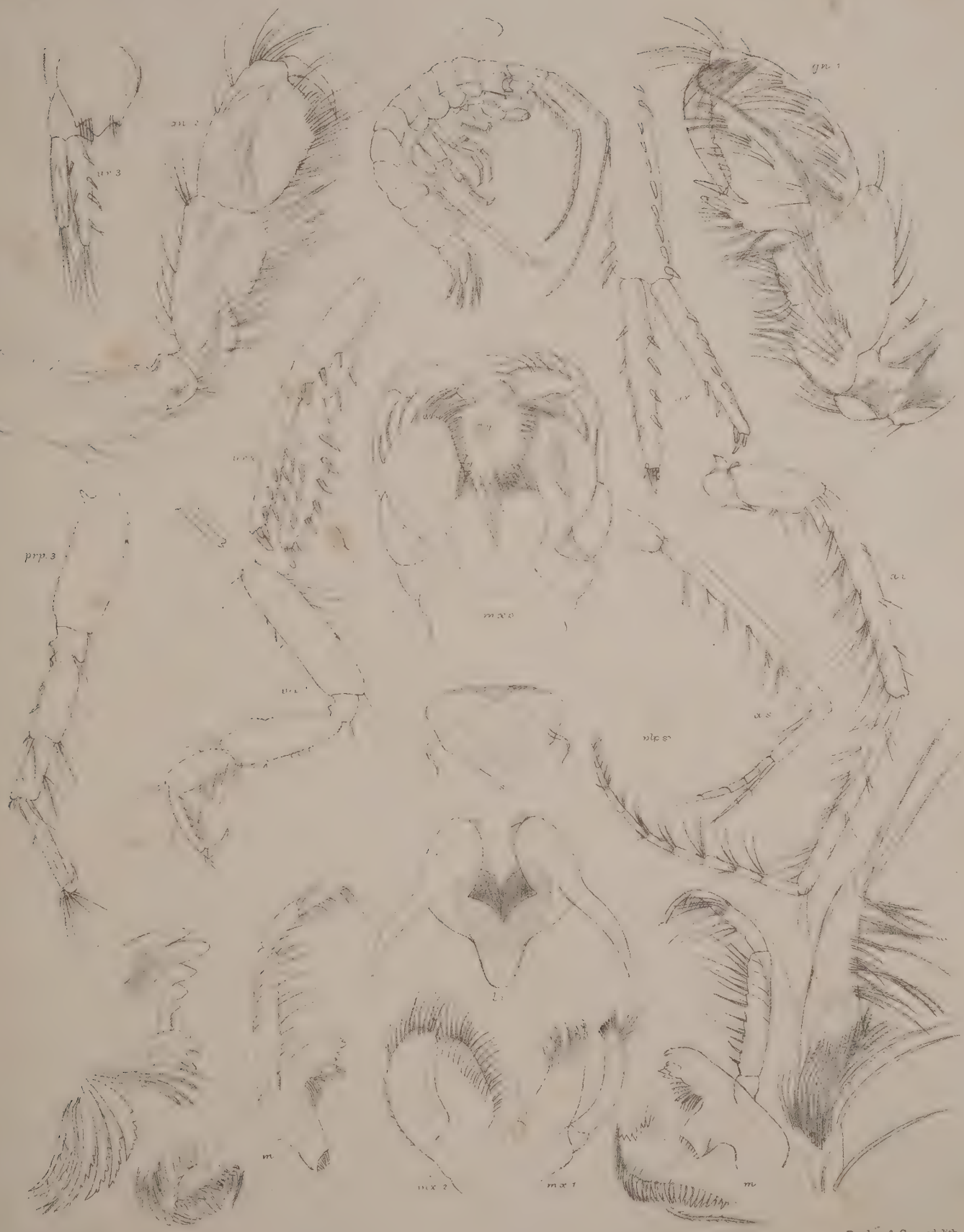


T.R.R.Stebbing del.

F.Huth, Lith. Edinr.

AORA KERGUELENI, n.sp. ♂ A. ♀ D.

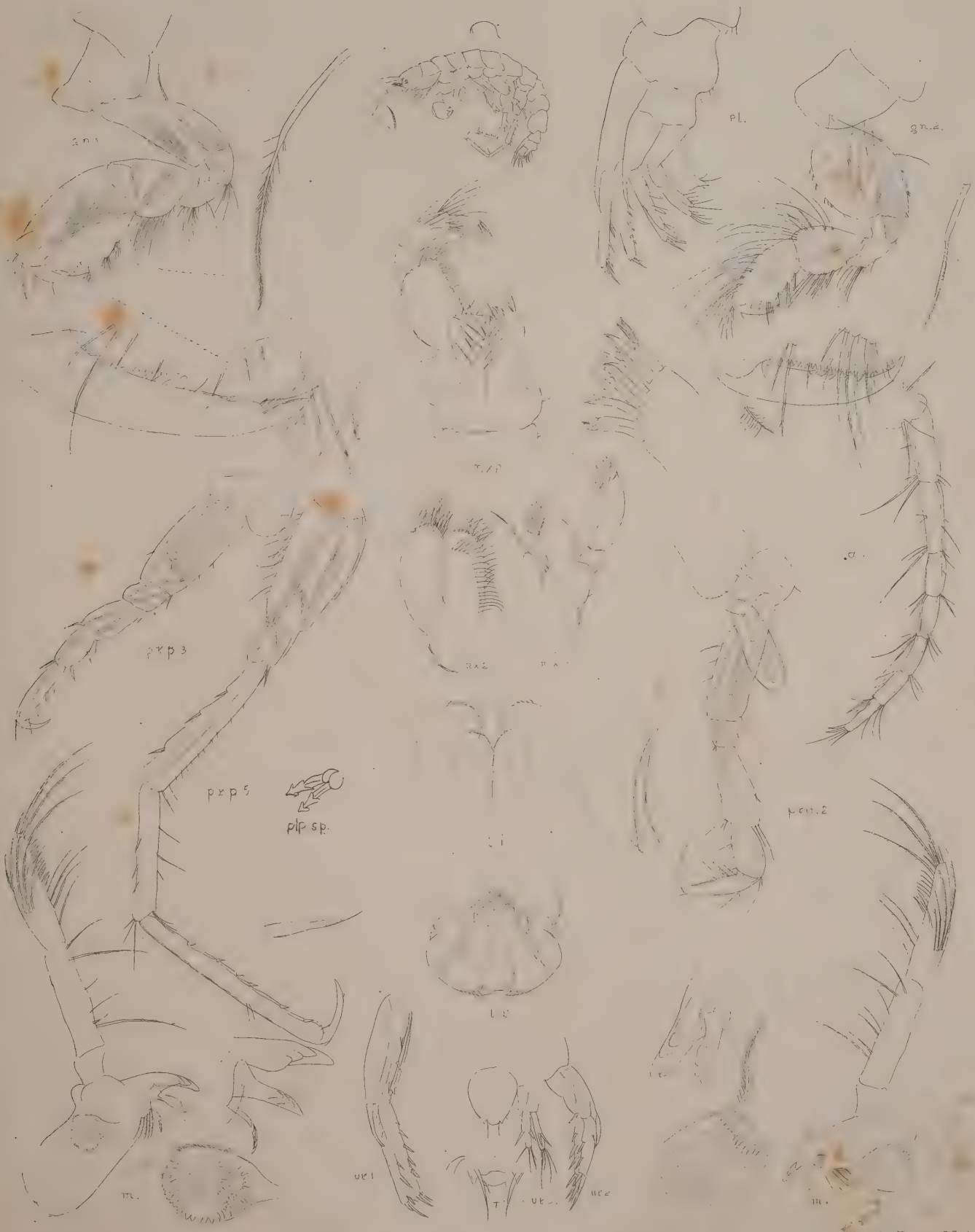
AORA TRICHOBOSTRYCHUS, n.sp. ♂ B. ♀ C.



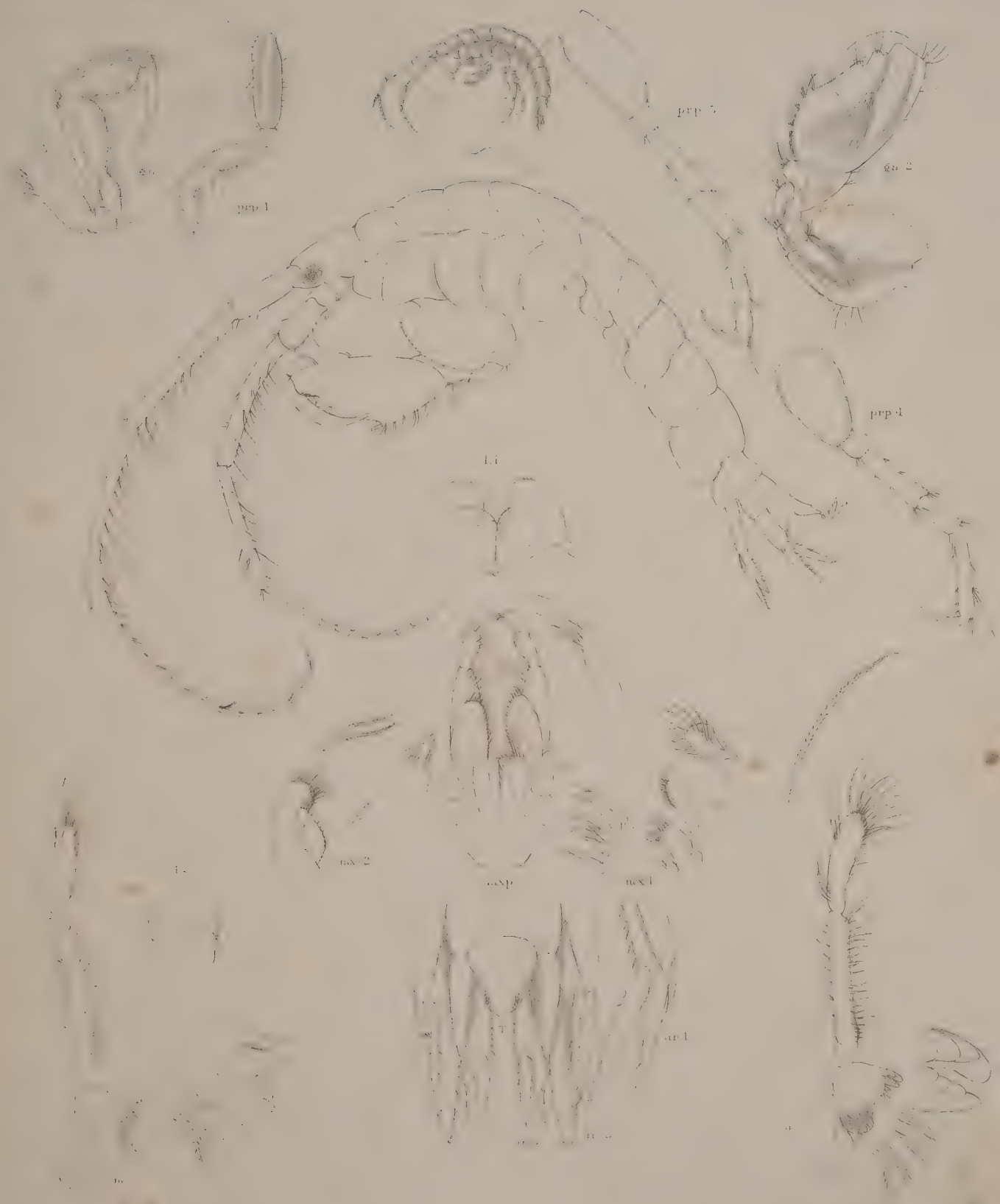
T. R. R. Stebbing del

Parker & Coward, lith.
West, Newman & Co. imp.

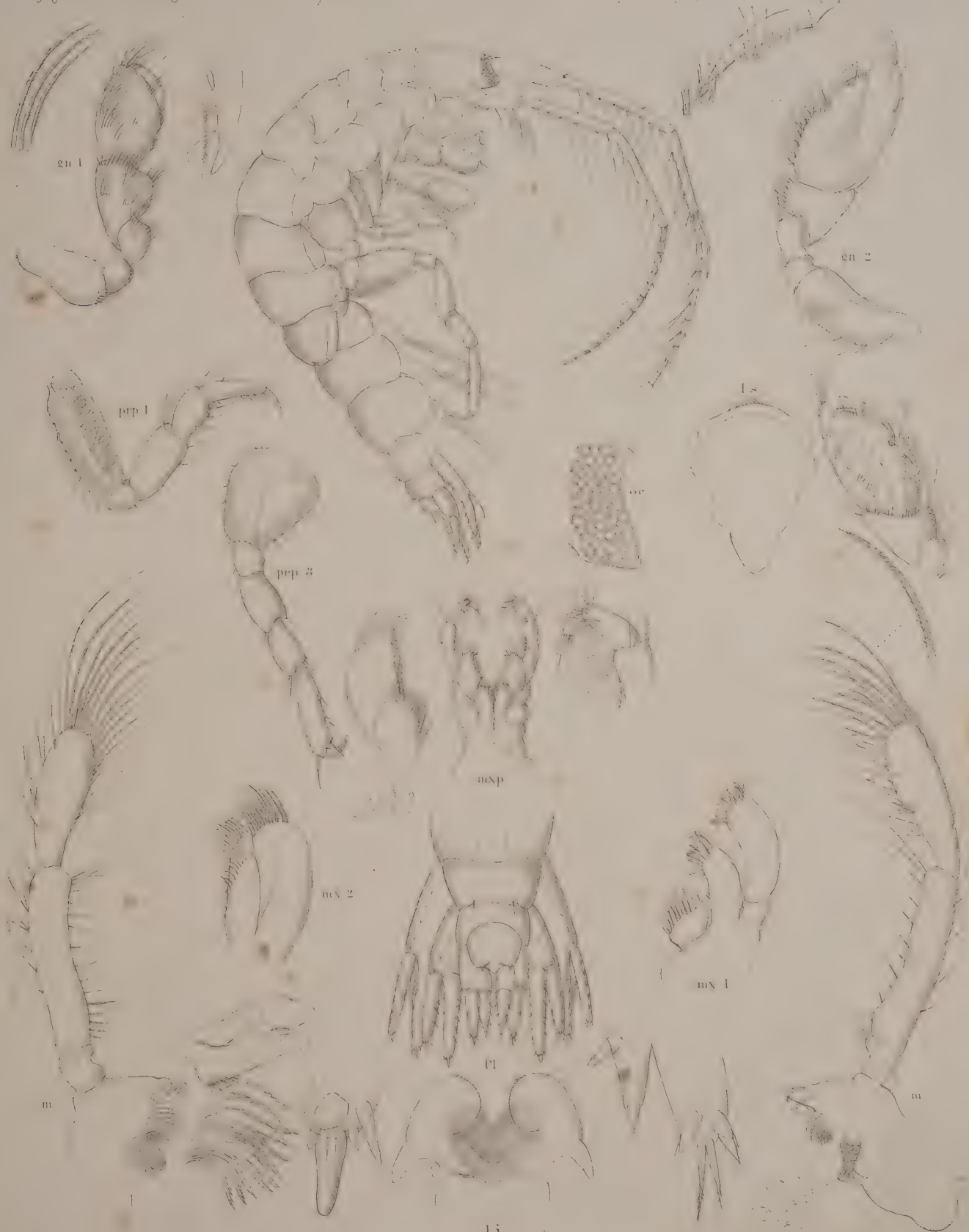
AUTONOË PHILACANTHA, n. sp.



AUTONOË KERGUELENI, n sp



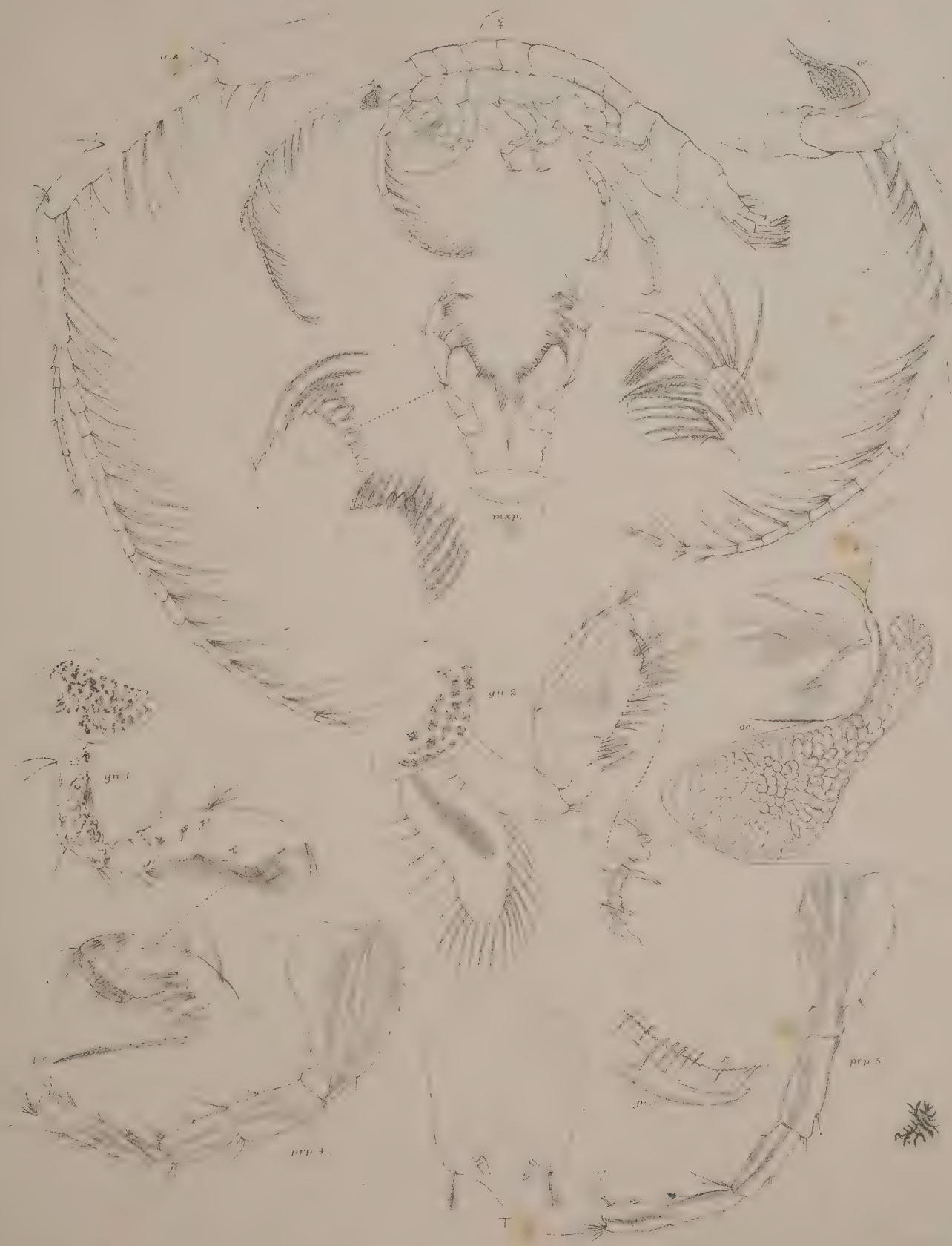
GAMMAROPSIS EXSERTIPES, n.sp.



T.R.R.Stebbing del. W.H. Crowther lith.

Mintern Bros. imp.

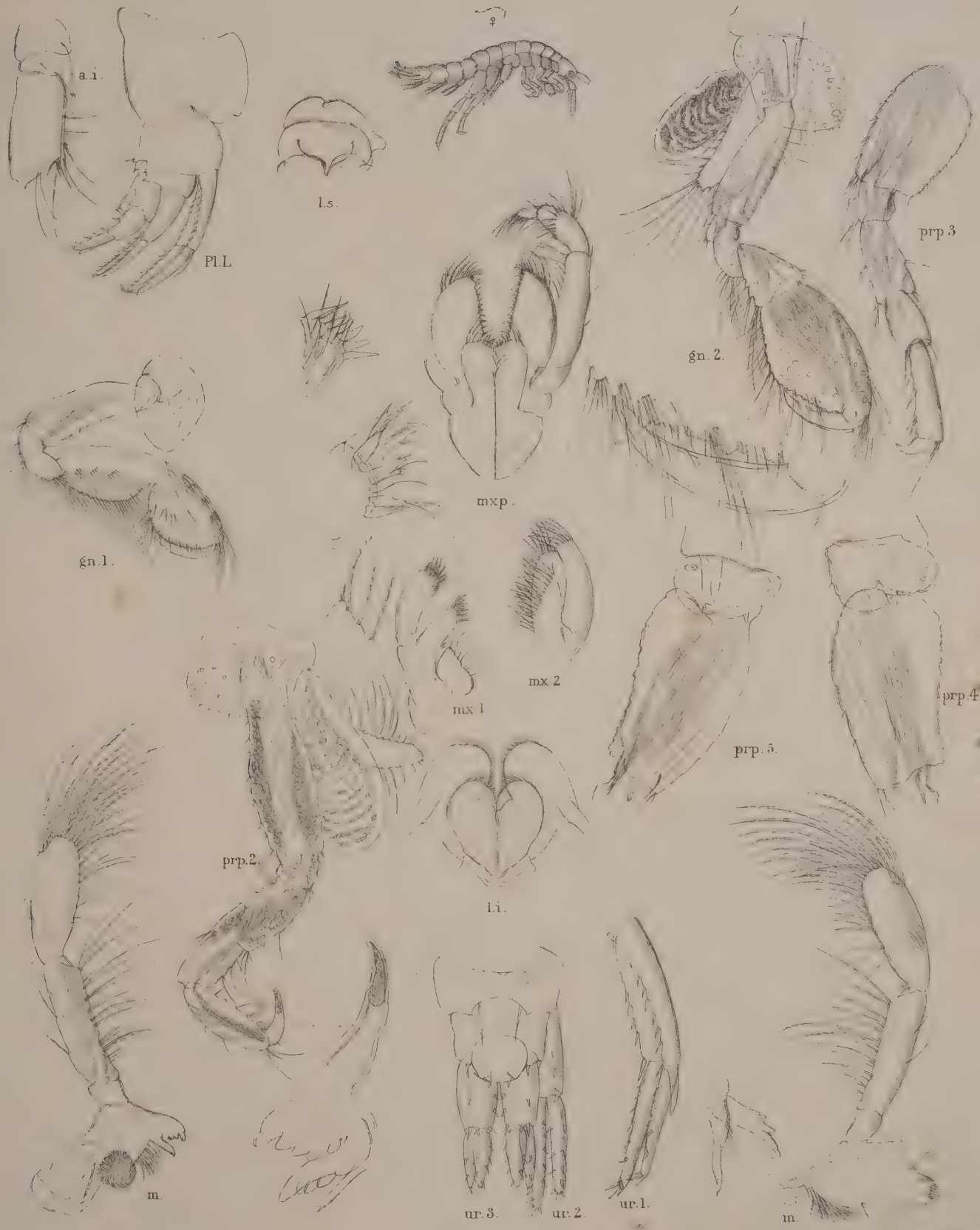
GAMMAROPSIS AFRA, n.sp.



J. J. R. Stebbing del.

Parker & Coward lith.
West, Newman & Co imp.

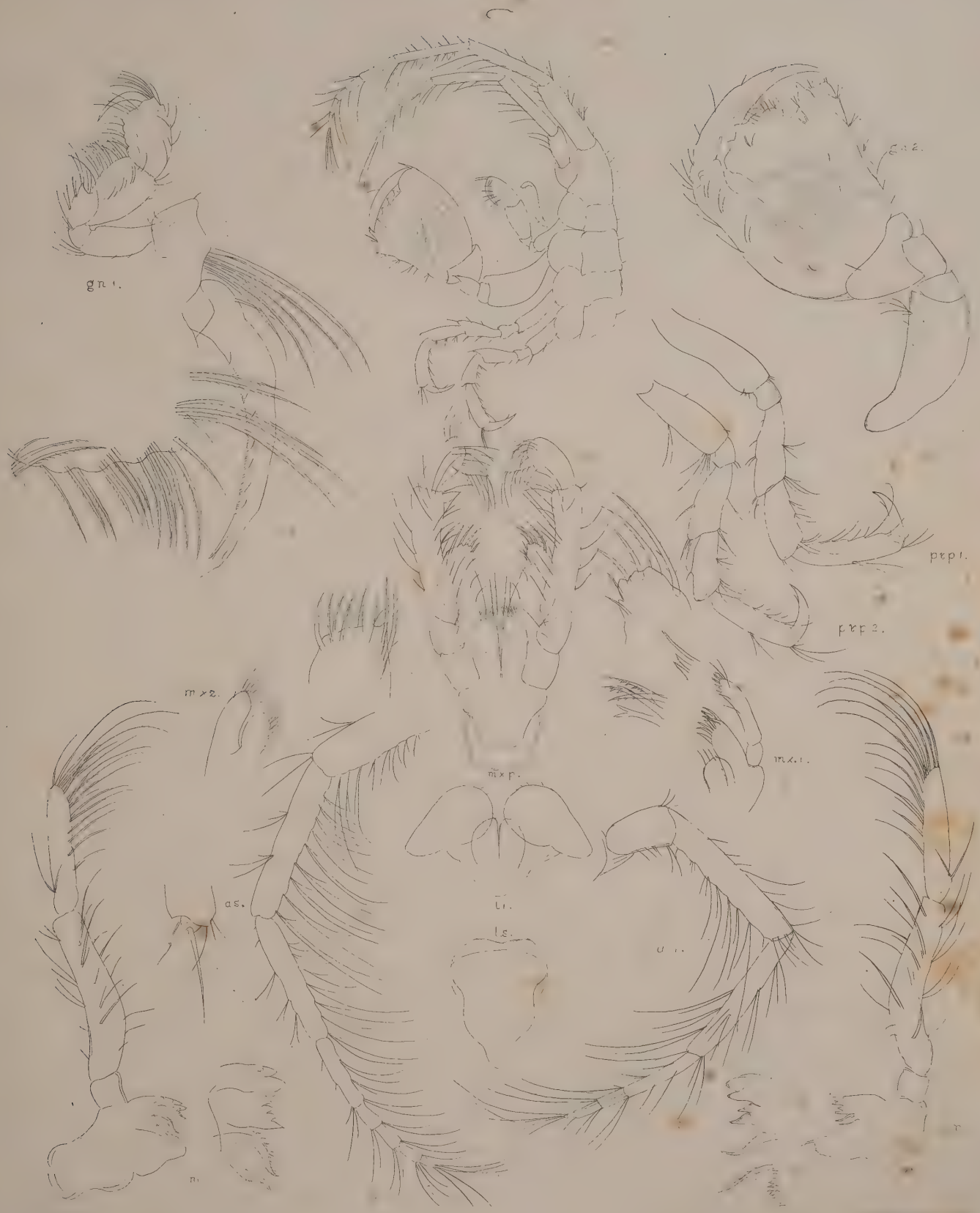
GAMMAROPSIS ATLANTICA. ♀, n. sp.



T. R. R. Stebbing del. W.H. Crowther lith.

Mintern Bros. imp.

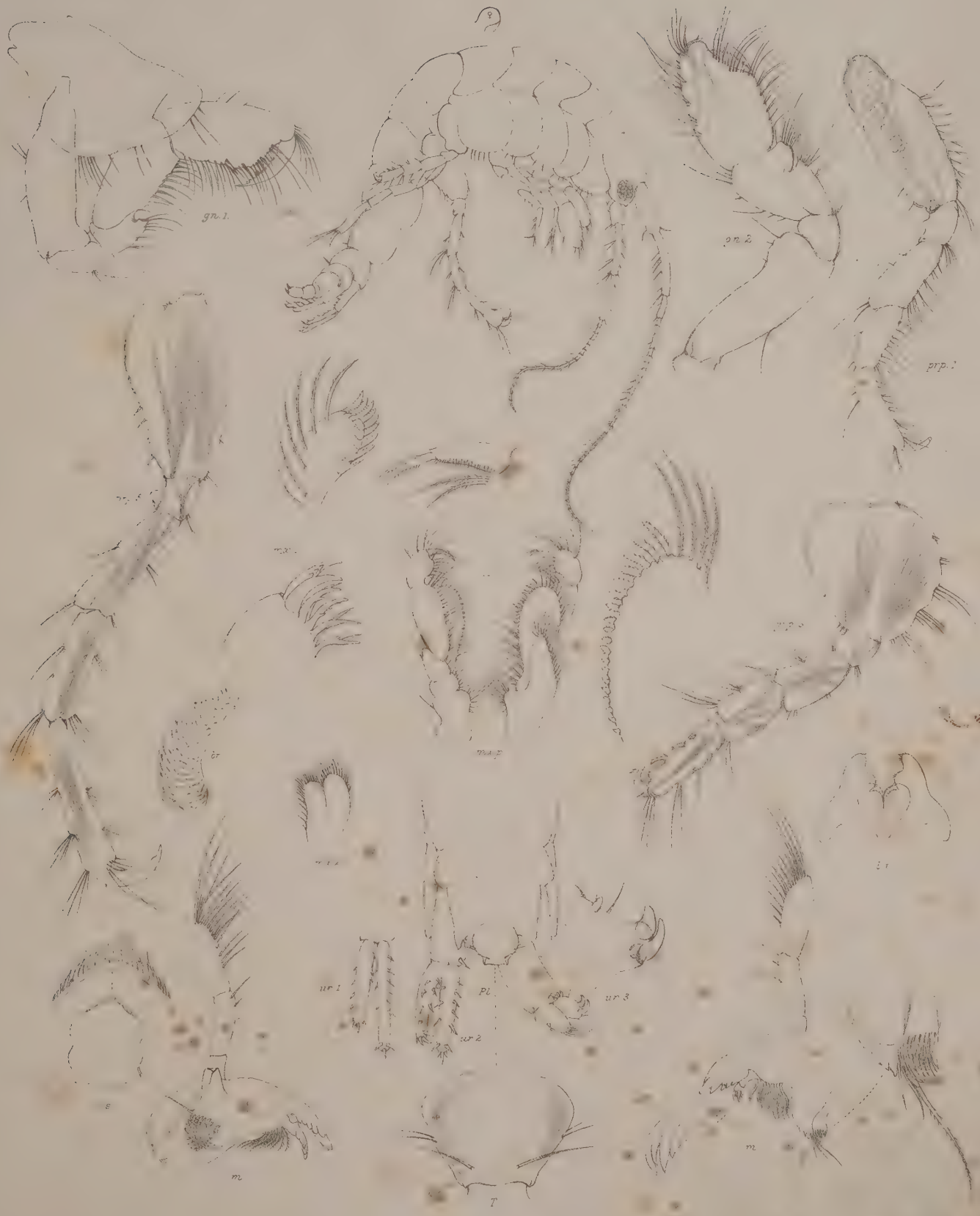
GAMMAROPSIS THOMSONI, n. sp.



TR.R.Stebbing del.
G.S.Saunders dc.

West, Newman & Co. imp.

PODOCEROPSIS KERMADECI. n. sp.



T.R.R. Stebbing del.

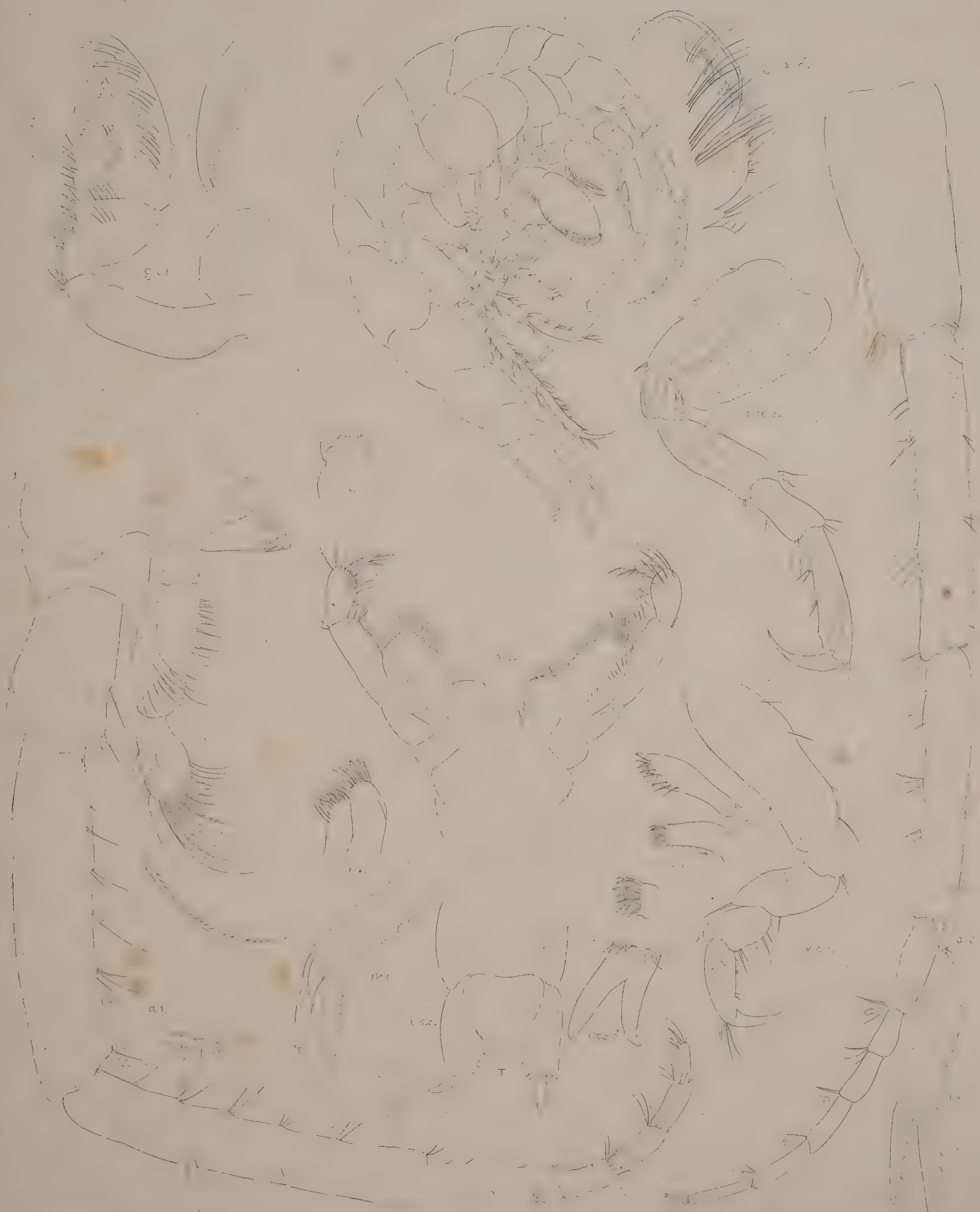
AMPHITHOË KERGUELENI n. sp.

T.R.P. Stebbing del. F Huth Lith^r Edin^r

AMPHITHOË FLINDERSI, n sp.

PODOCERUS FALCATUS, Montagu.

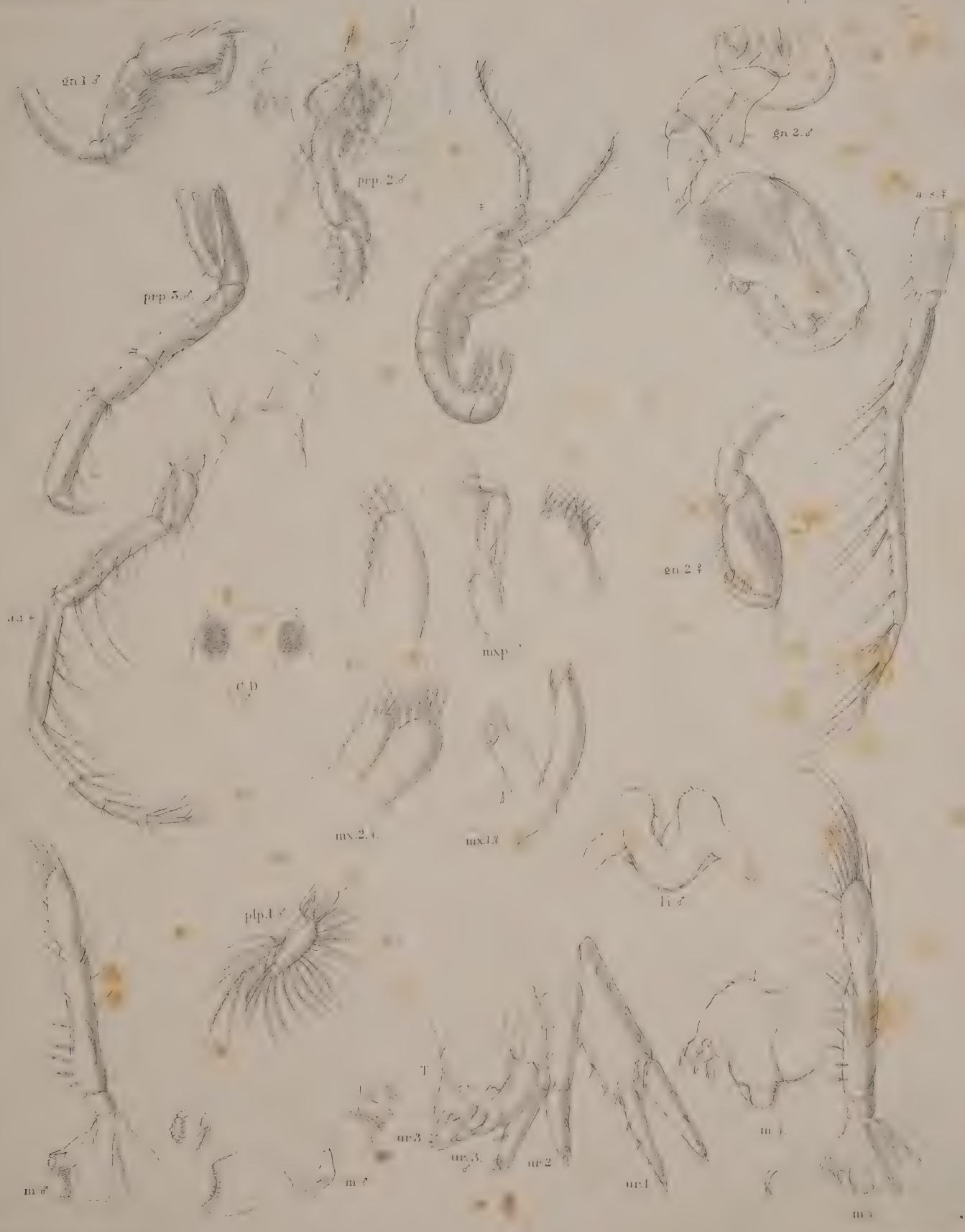
Reid & Cocus, Lith Edinr



T.R.R. Stebbing del.
C.S. Saunders lith.

West, Newman & Co. imp.

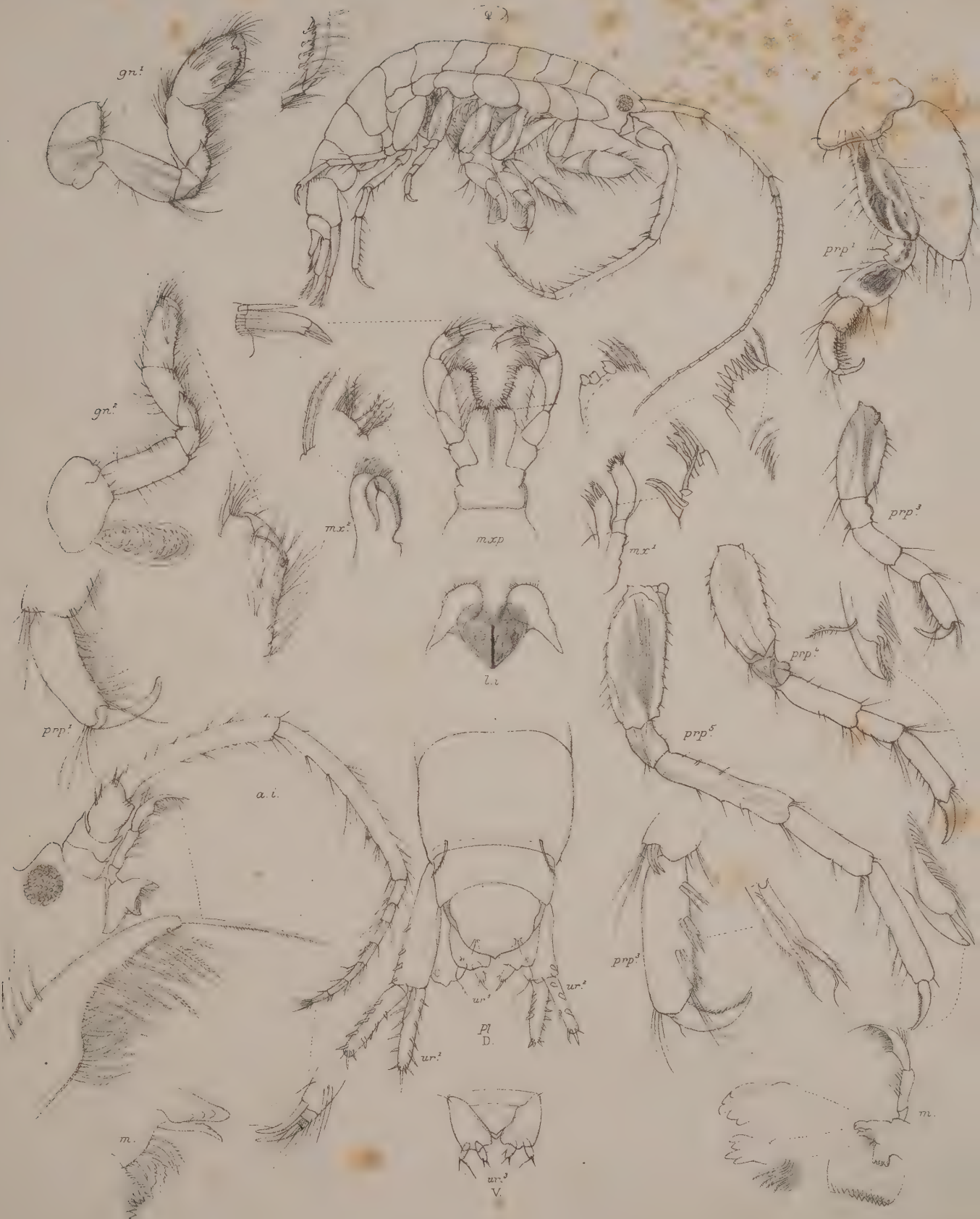
PODOCERUS HOEKI, n. sp.



E.R. Sterling del. W.H. Caudwell lith.

Johnson Bros. imp.

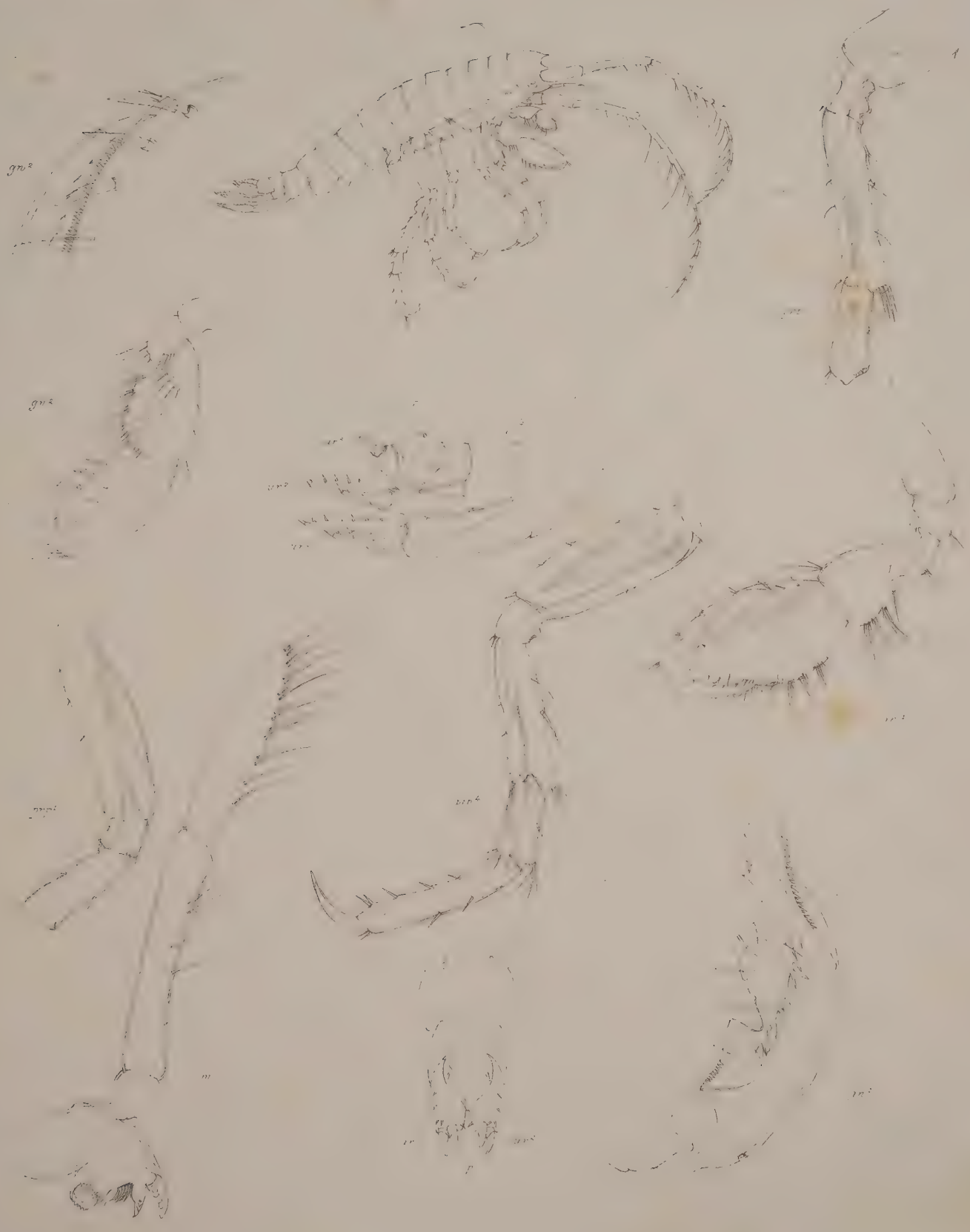
PODOCERUS TRISTANENSIS, n. sp.



T.R.R. Stebbing, del.

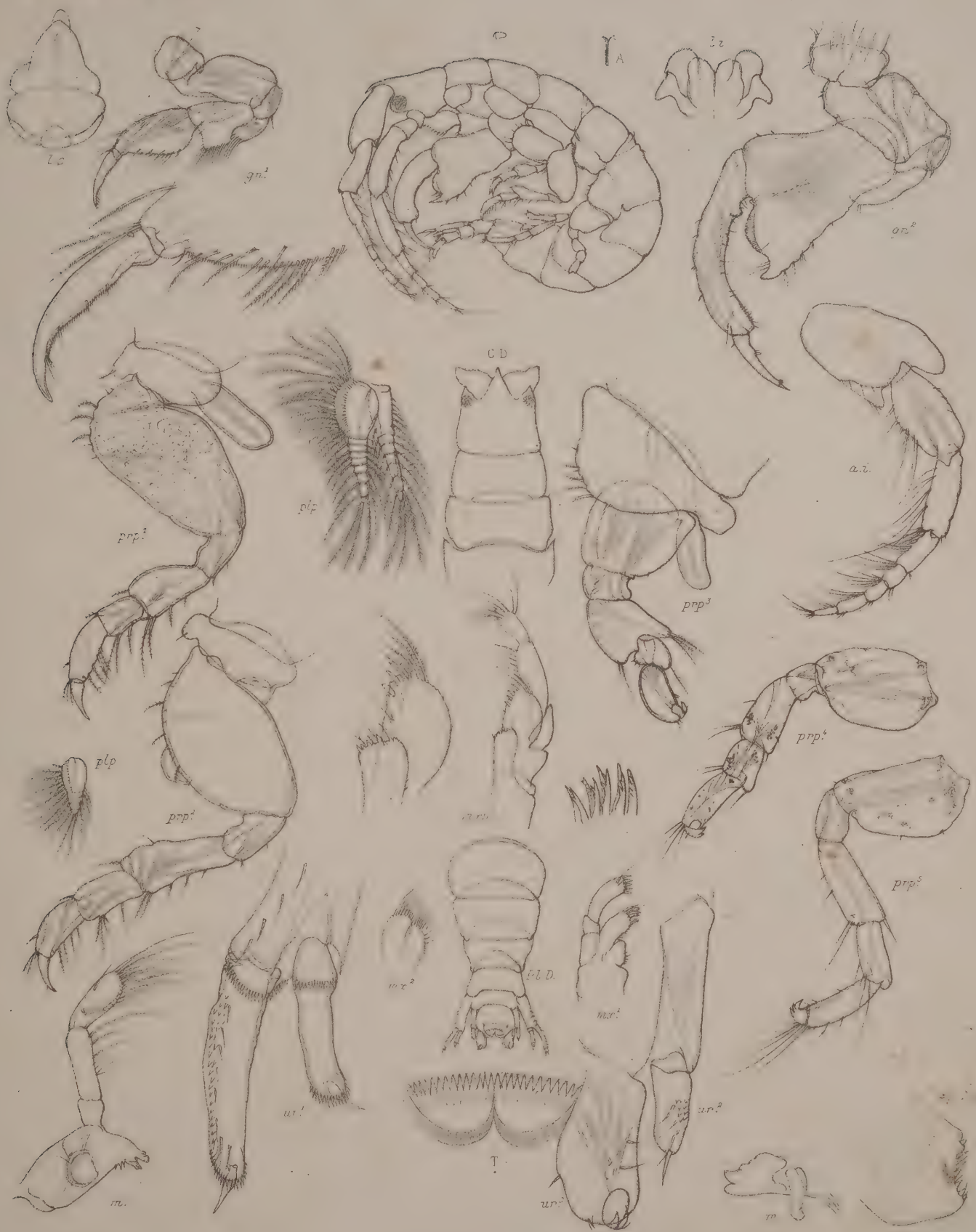
M^cFarlane & Erskine, Lith^rs Edin^r

DRYOPOIDES WESTWOODI, n. sp.



T.R.R. Stebbing del. F. Huth, Lith^r Edin^r

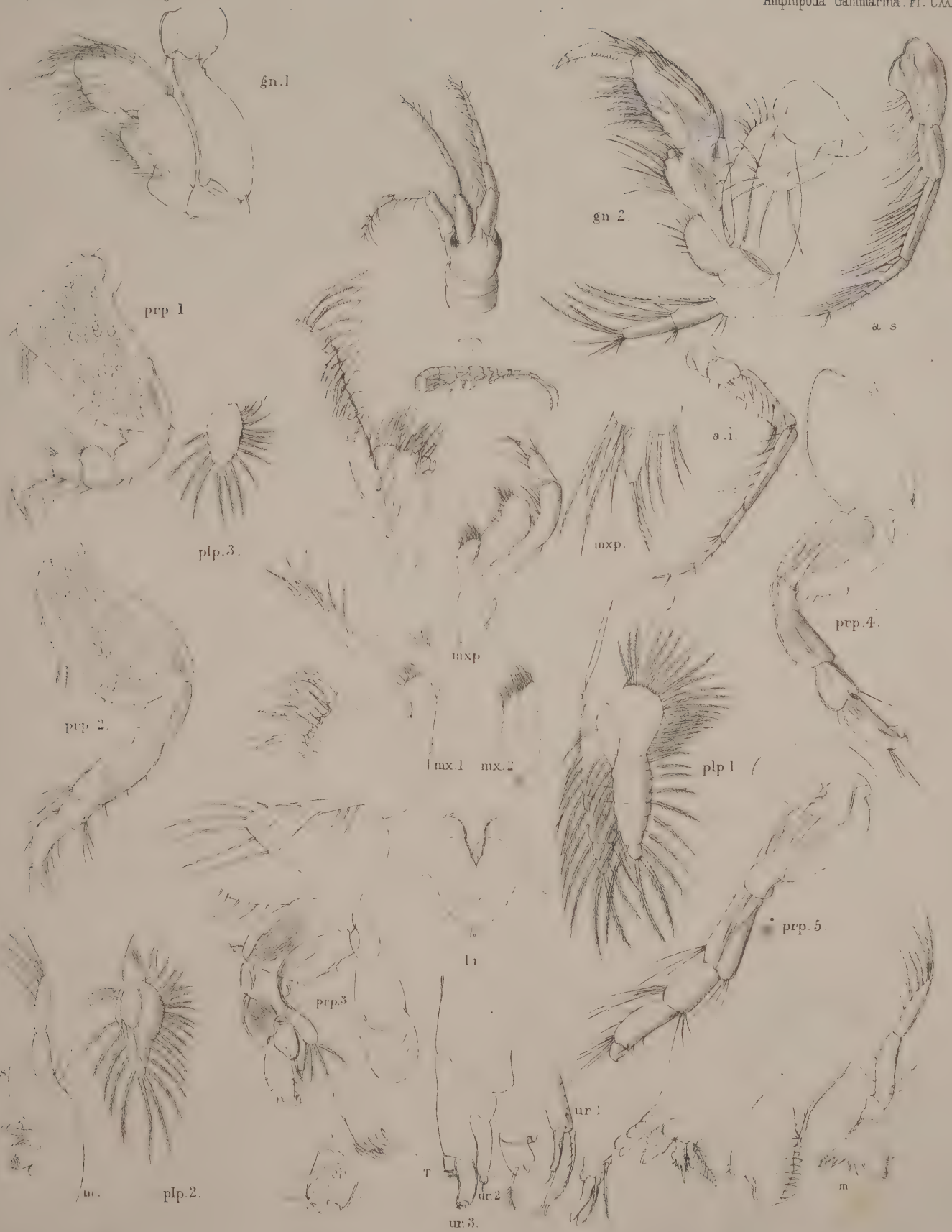
PARADRYOPE ORGUION, n. sp.



TRR Stebbing, del.

Reid & Cowie, Lith. Edinr.

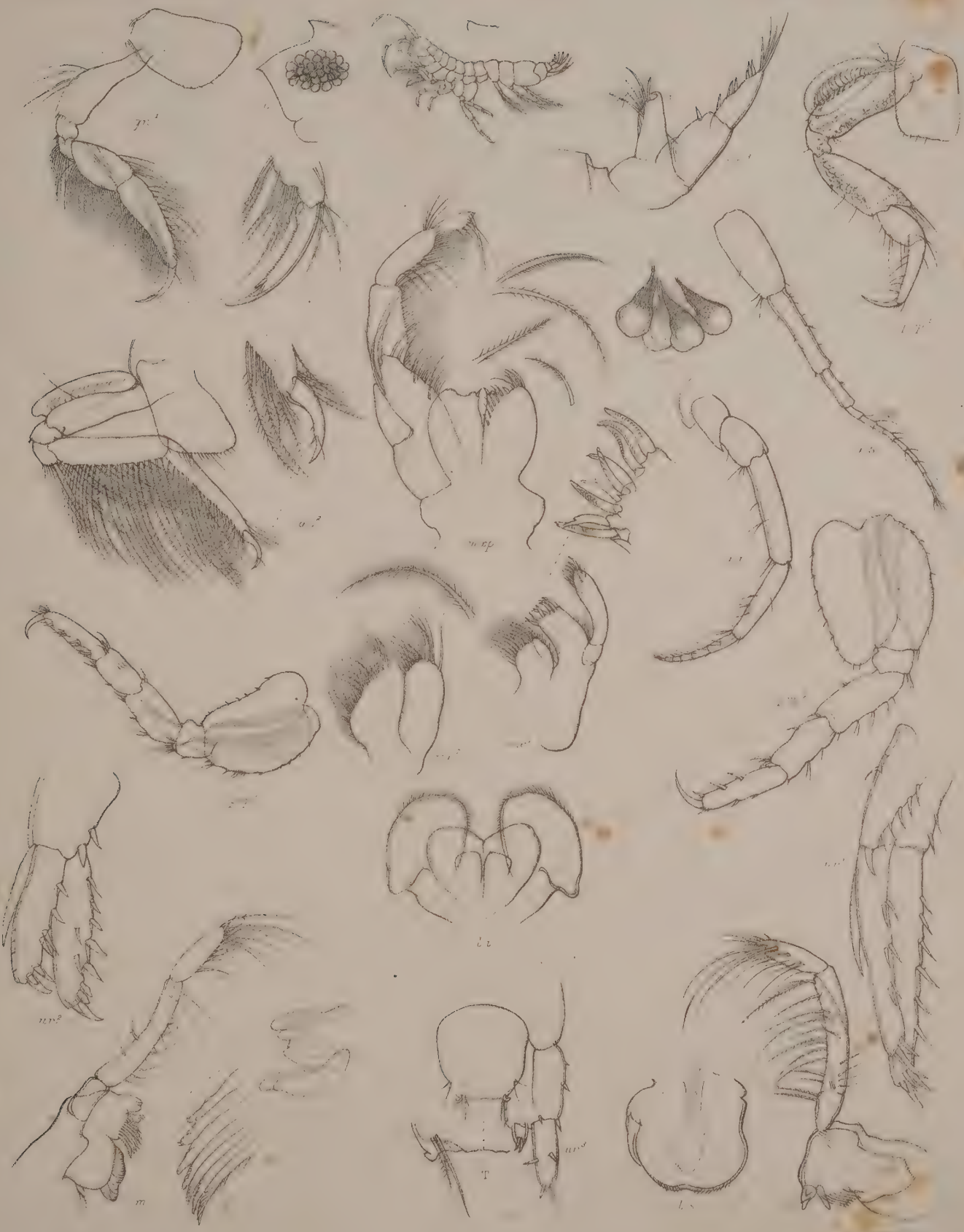
CERAPUS SISMITHI, n. sp.



T.R.P. Stebbing del. W.H. Crowther lith.

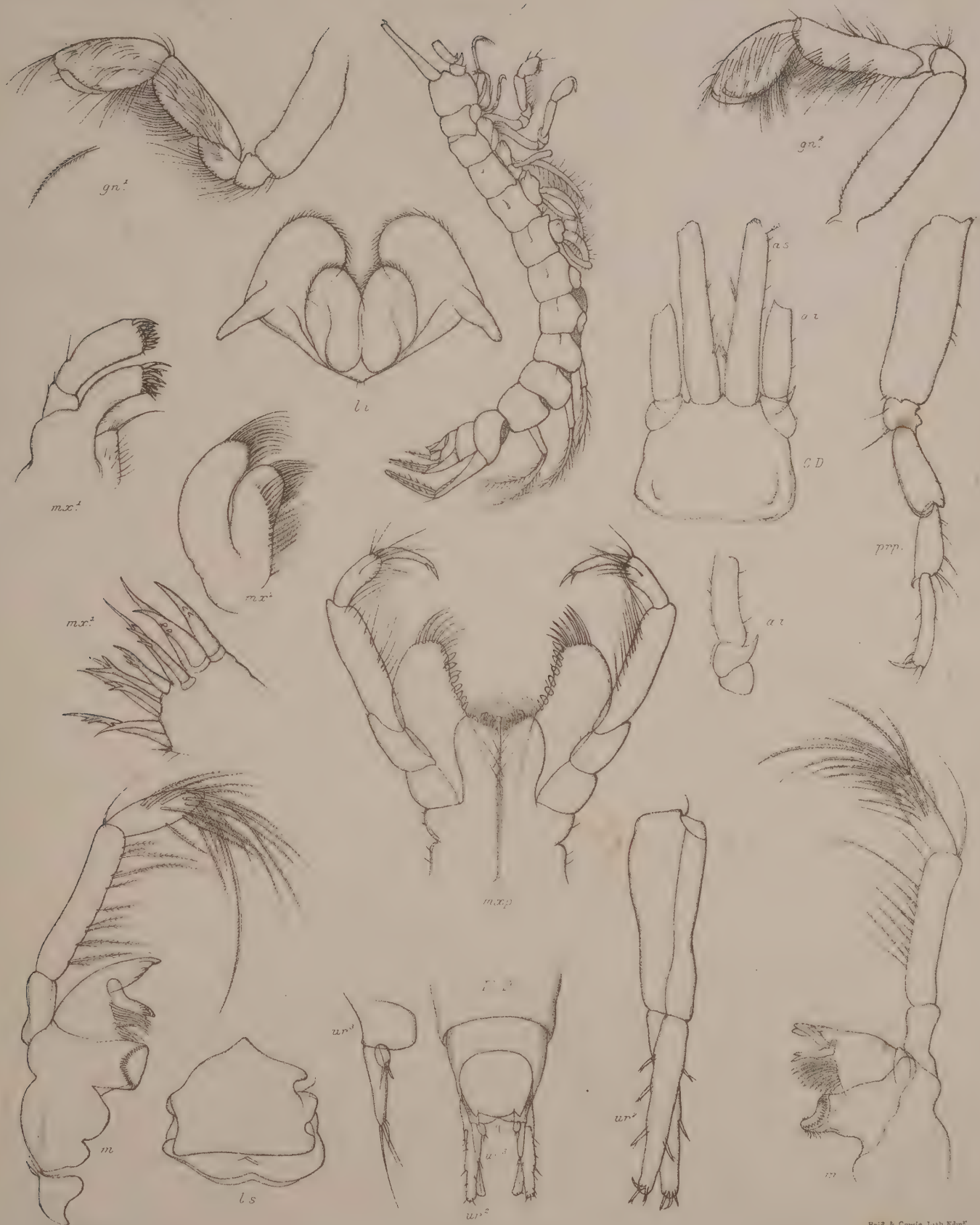
Mintern Bros. imp.

CERAPUS FLINDERSI, n.sp.



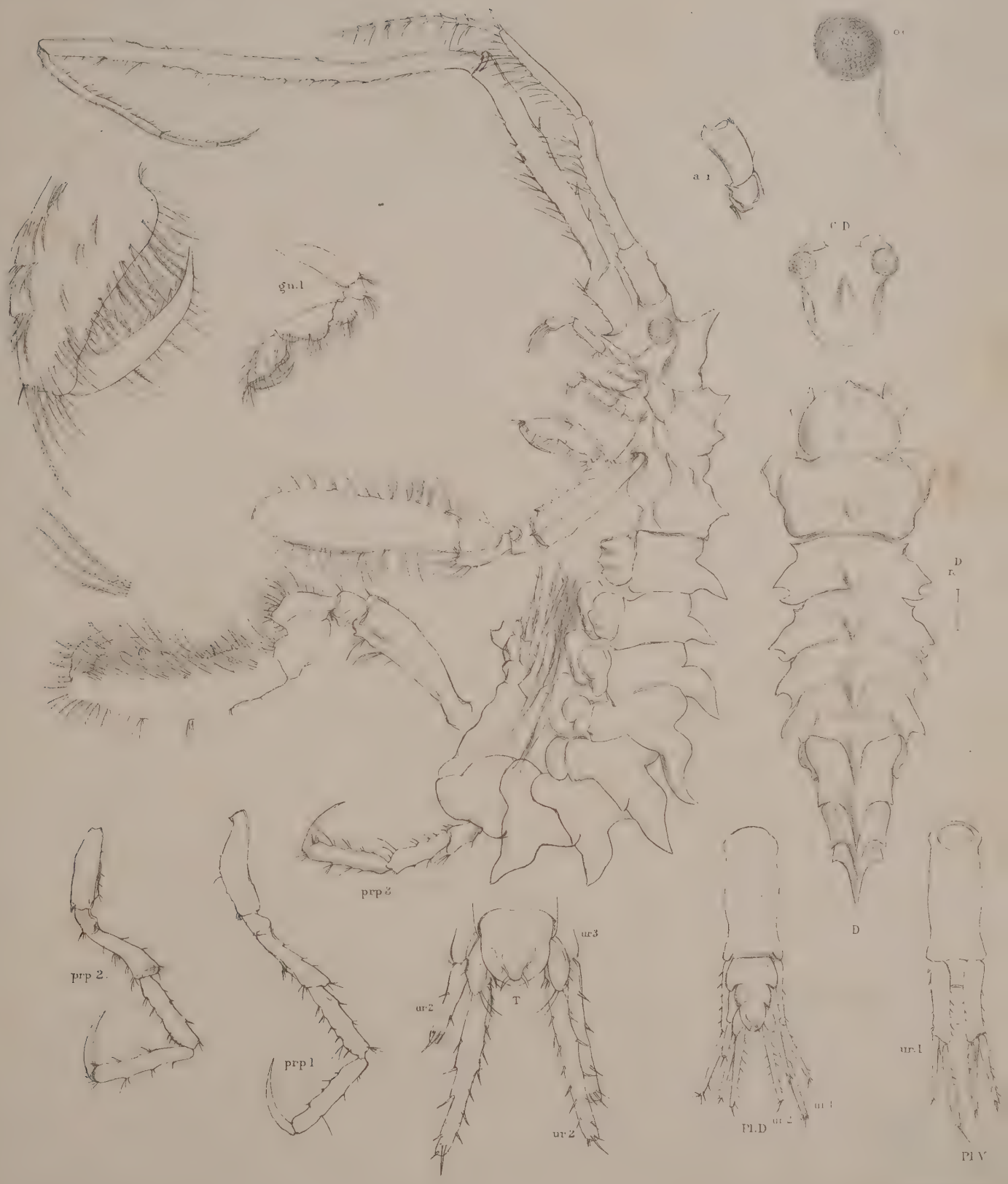
T. R. R. Stebbing, del.

HAPLOCHEIRA PLUMOSA, n. sp.



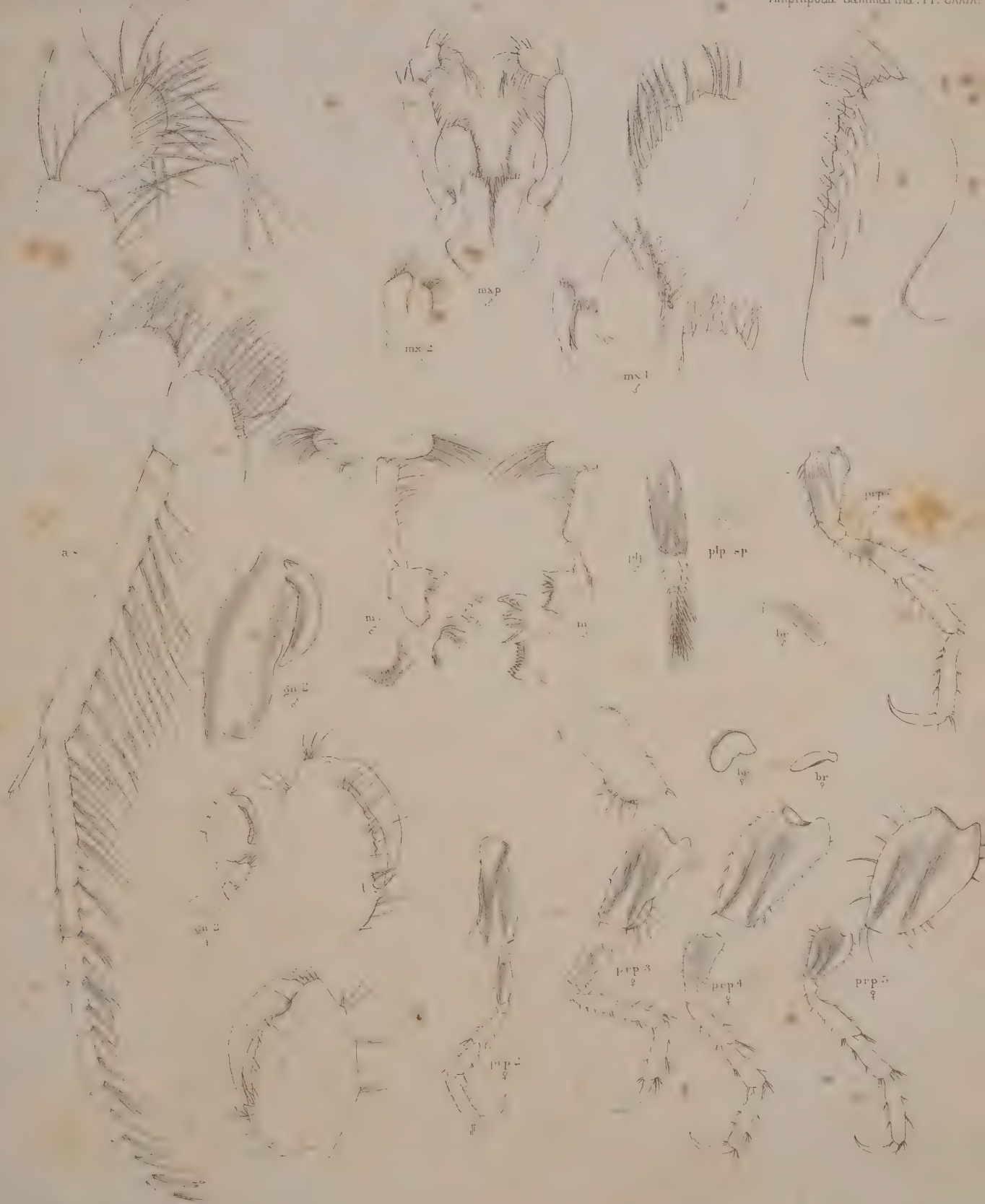
T.R.R.Stebbing, del. Reid & Cowie, Lith. Edin.

CAMACHO BATHYPLOUS, n. sp.



J R R Stebbing del. F H Michael lith.

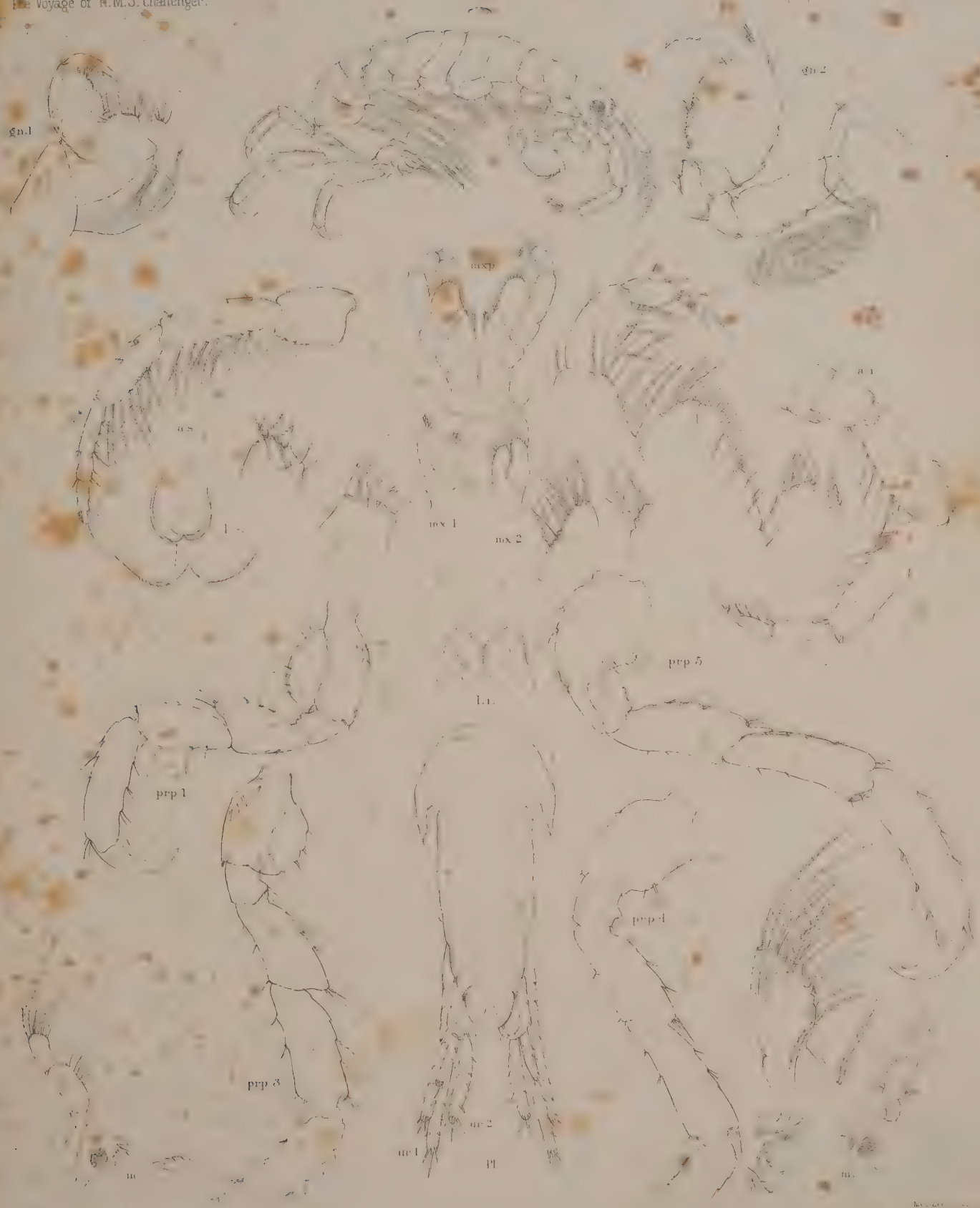
PLATOPHIUM DANÆ, n. sp.



T.R.R. Stebbing del. W.H. Crowther lith.

Mintern Bros. imp.

PLATOPHIUM DANÆ, n. sp.

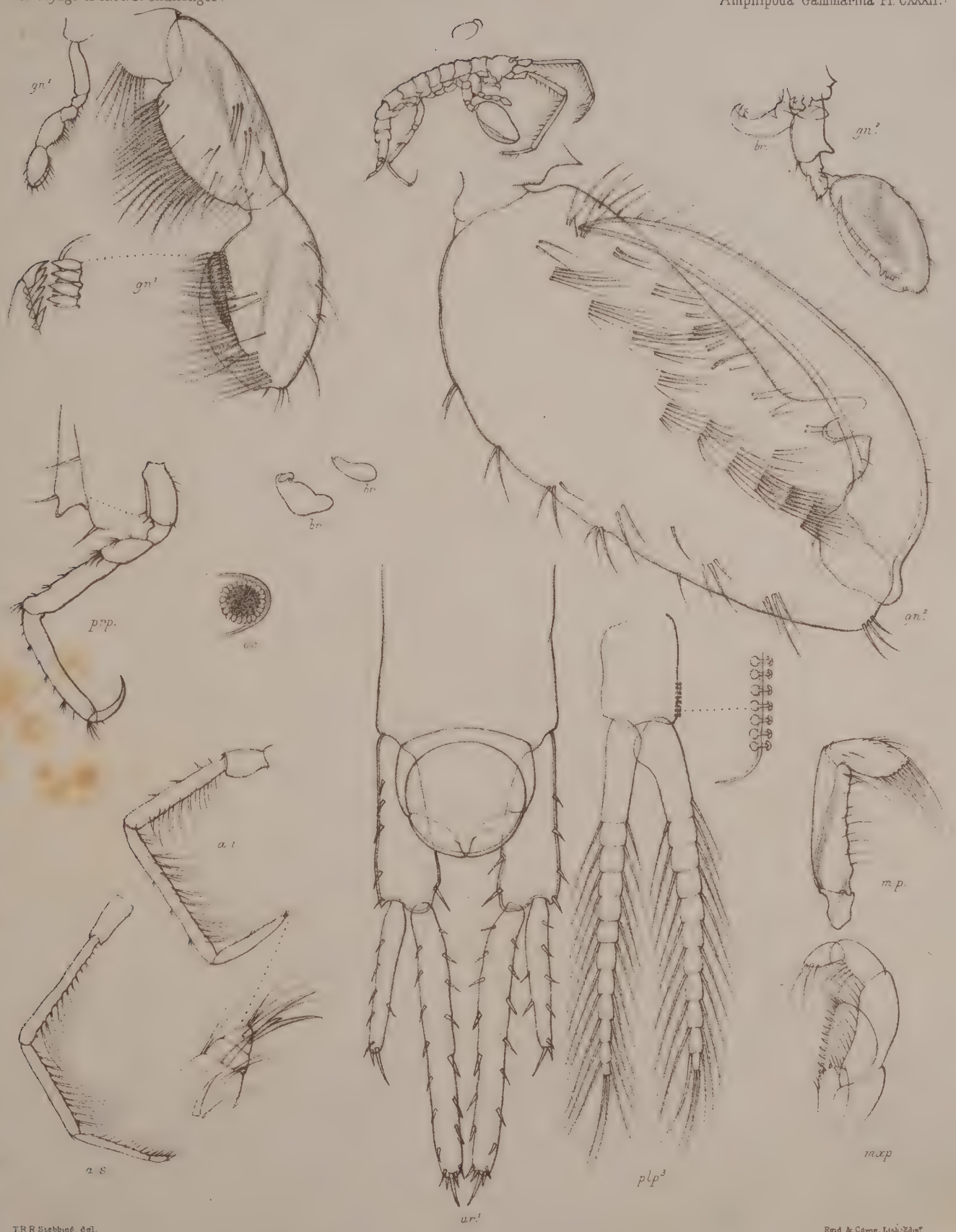


PLATOPHIUM CHELONIÆ, n. sp.

T.R.R. Stebbing del. F.H. Michael lith.

Mintern Bros. imp.

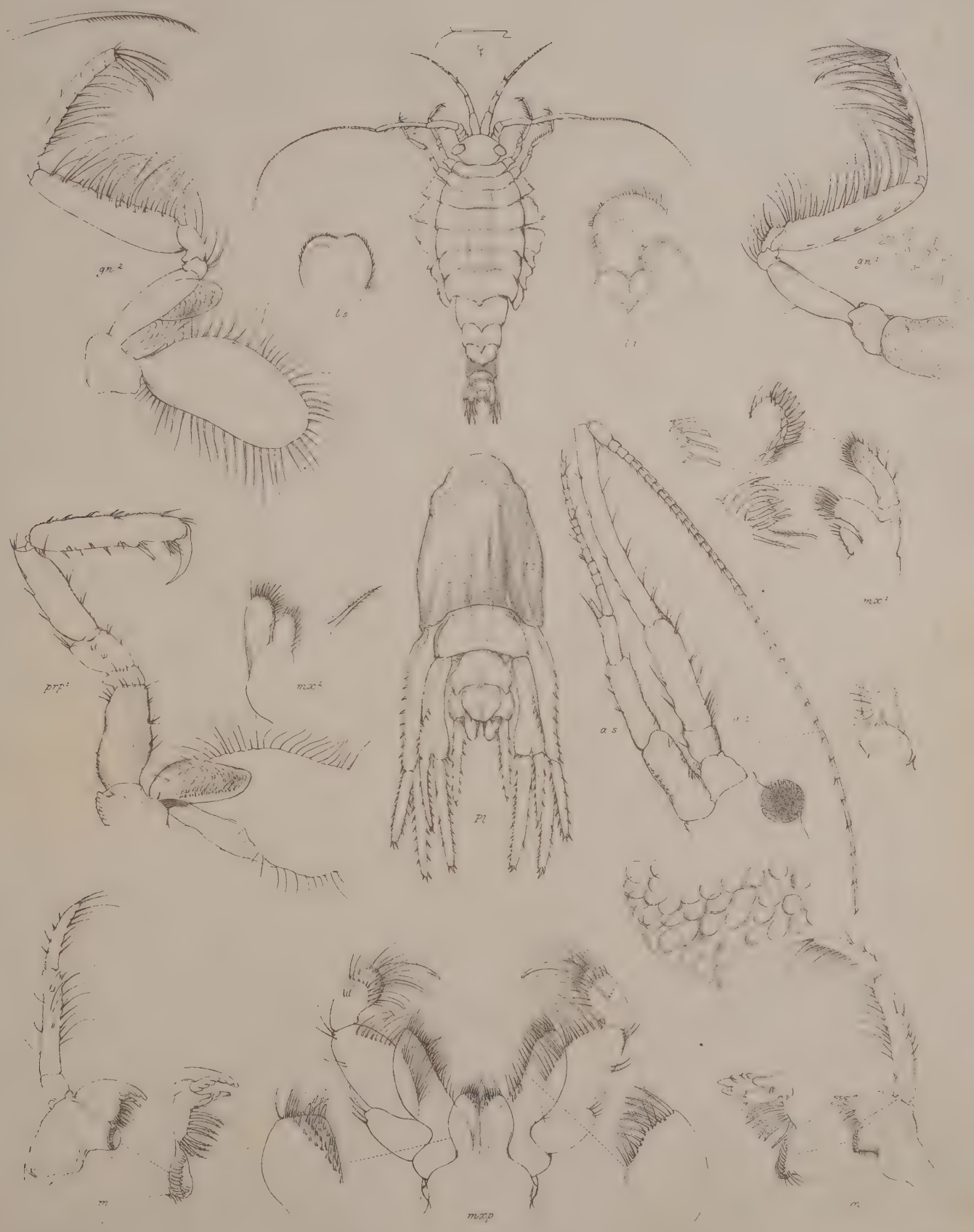
PLATOPHIUM INCONSPICUUM. n. sp.



T.R.R. Stebbing, del.

Reid & Cowne, Lith. Edin.ʳ

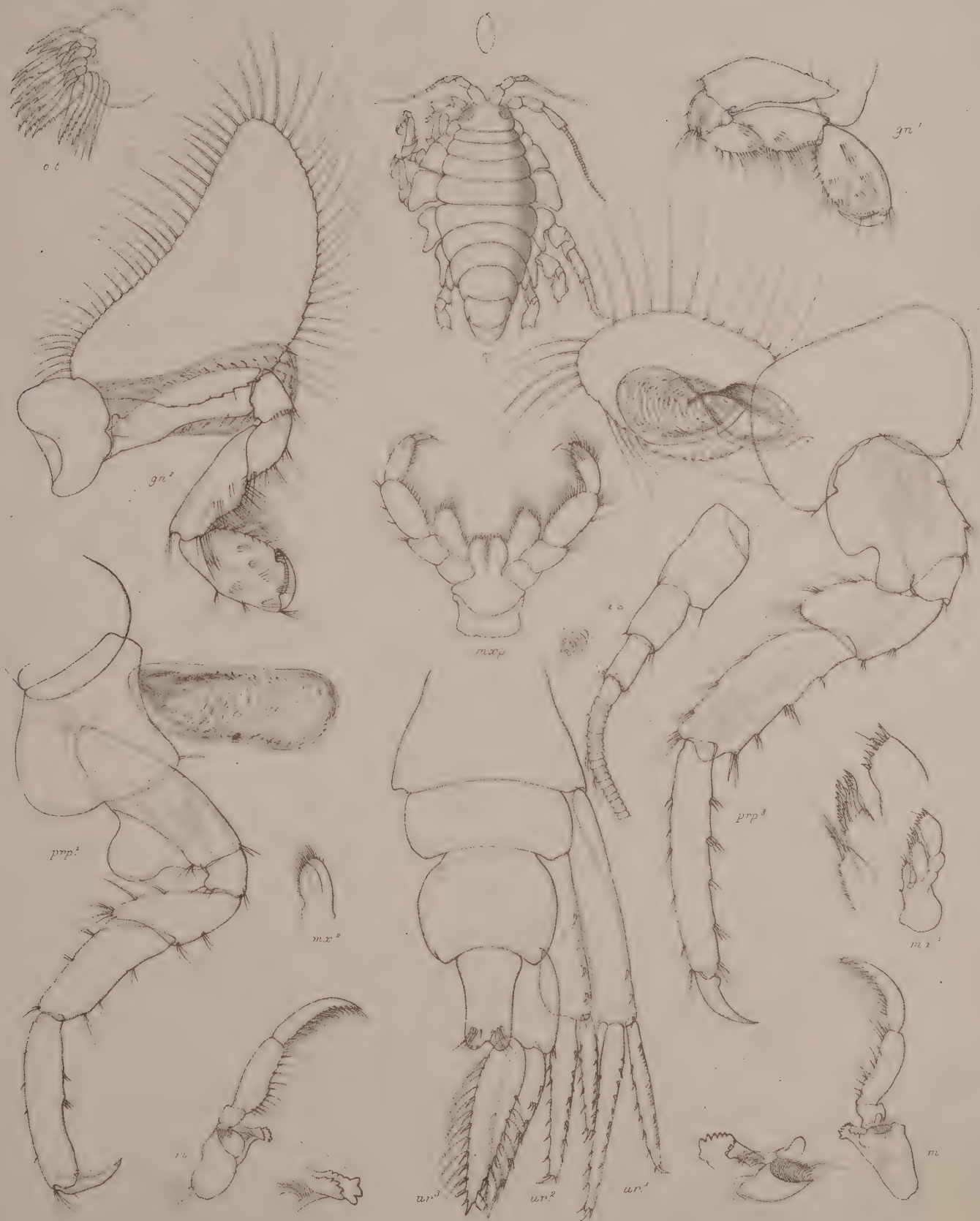
LÆTMATOPHILUS PURUS, n. sp.



T.R.R. Stebbing del

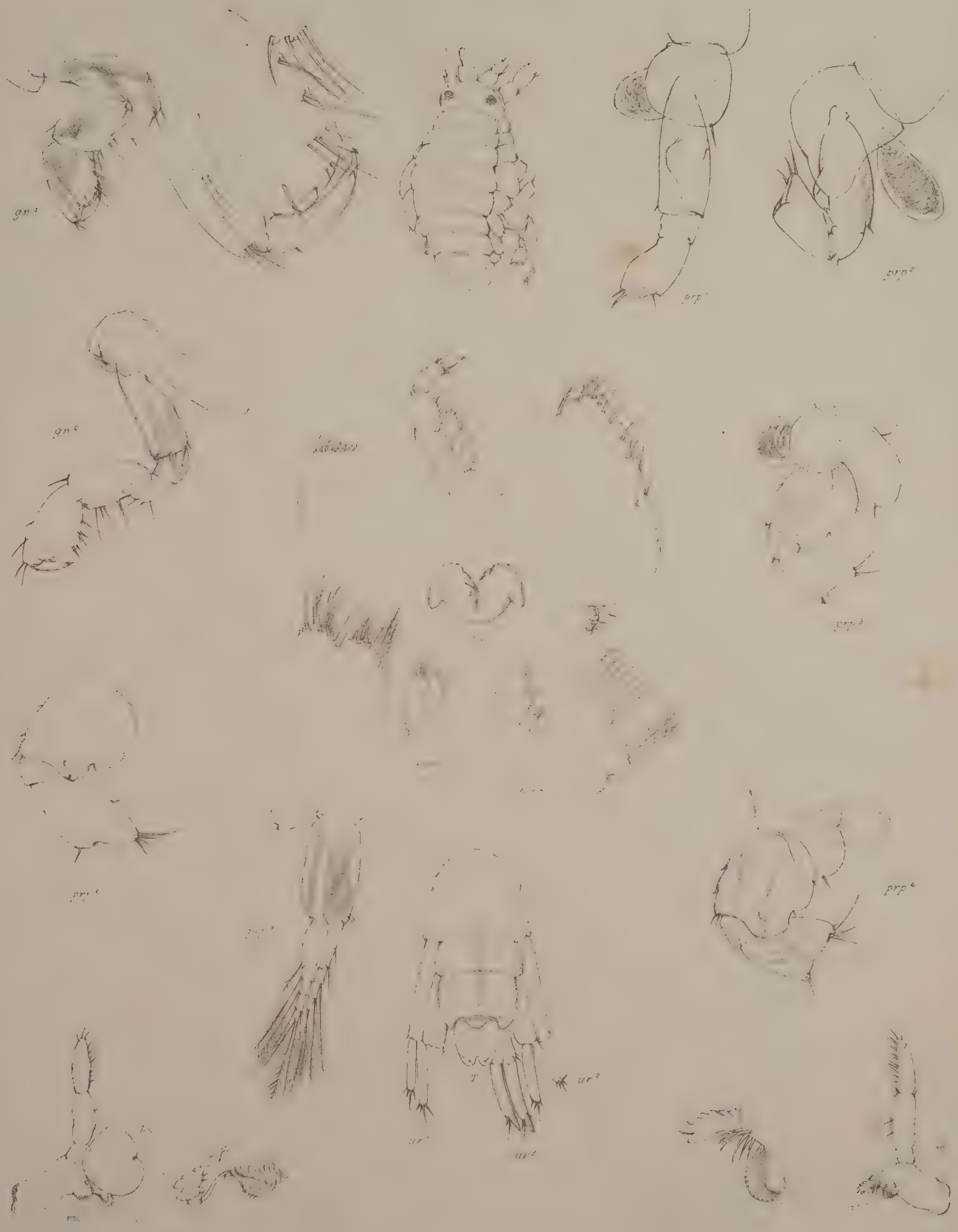
F. Huth, Lith.t Edin.r

ICILIUS DANÆ, n. sp.



T.R.R. Stebbing, del. Reid & Cowan, Lith, Edinr

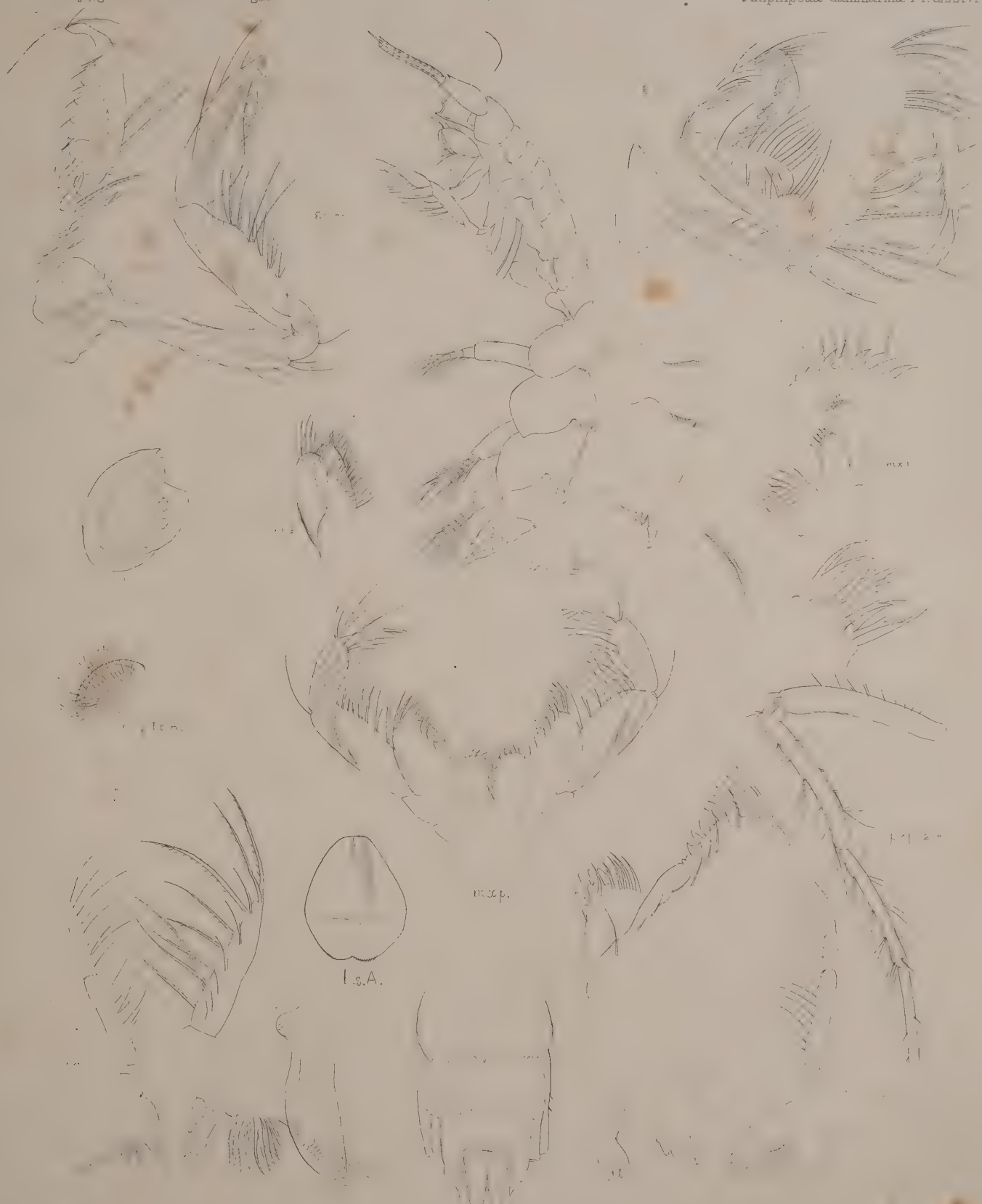
CHOSROËS INCISUS, n. g. et sp.



T.R.R. Stebbing, del.

F. Huth, Lith^r Edin^r

CHOSROËS INCISUS, n. sp.



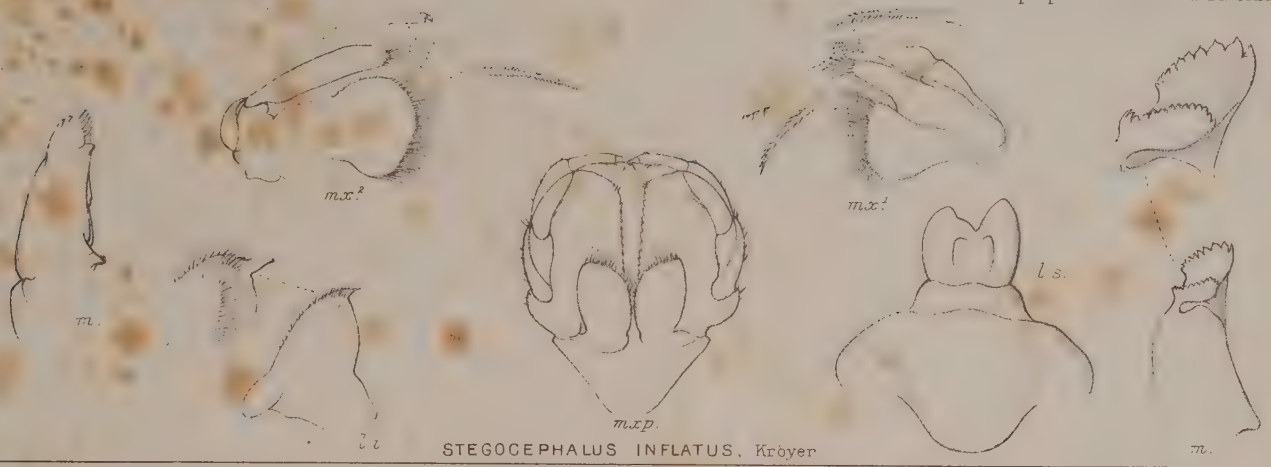
F.R.Hunterbing del.
C.S.Saunders sc.

Pl.D.

West, Newman & Co imp.

NEOHELA SERRATA, n.sp.

A.

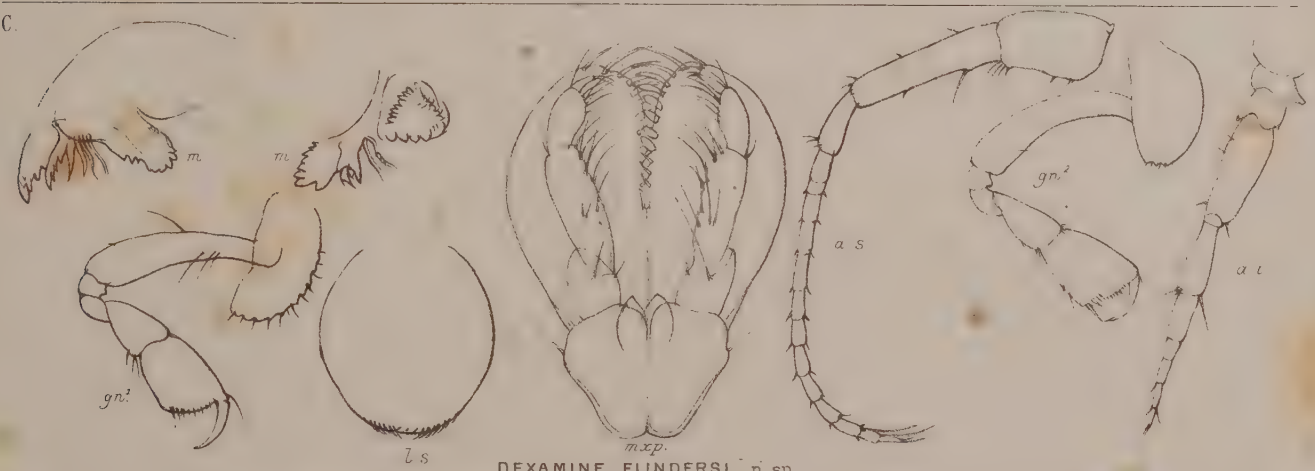


STEGOCEPHALUS INFLATUS, Kröyer

B.

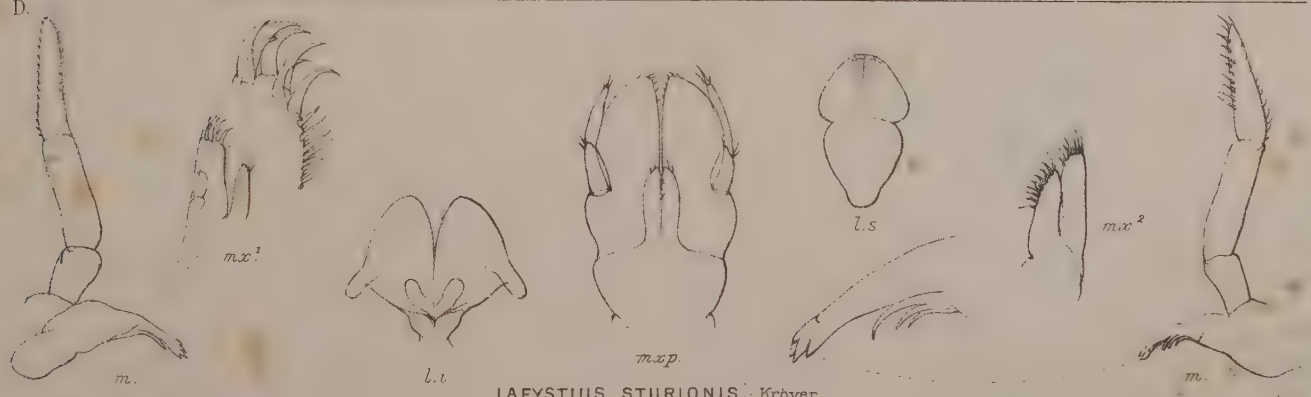
ŒDICEROS LYNCEUS, M. Sars.

C.



DEXAMINE FLINDERSI, n.sp.

D.



LAFYSTIUS STURIONIS, Kröyer.

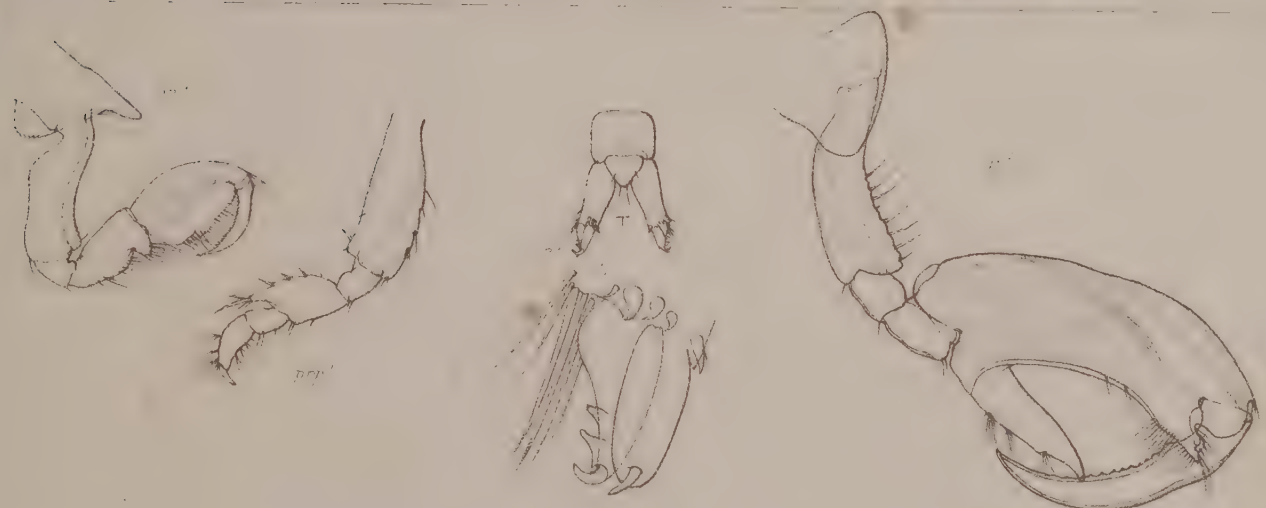
Fr. v. Stetmond, del.

Reid & Cowie, Lith. Edin.

A

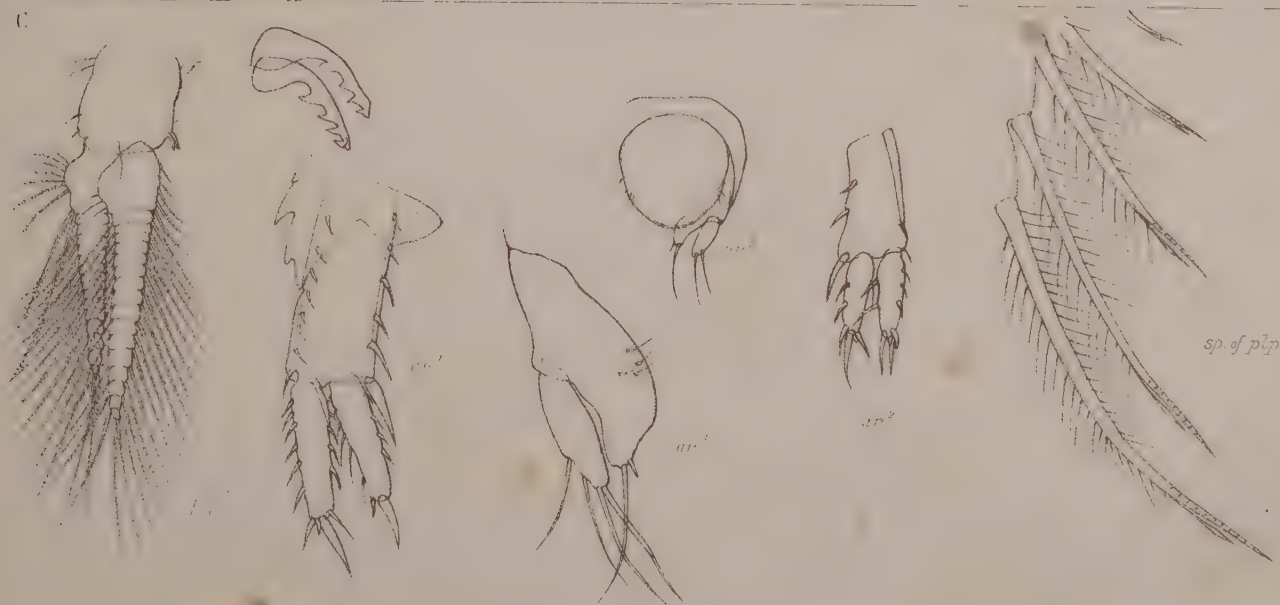
AMPHITHOE JAPONICA.

B.



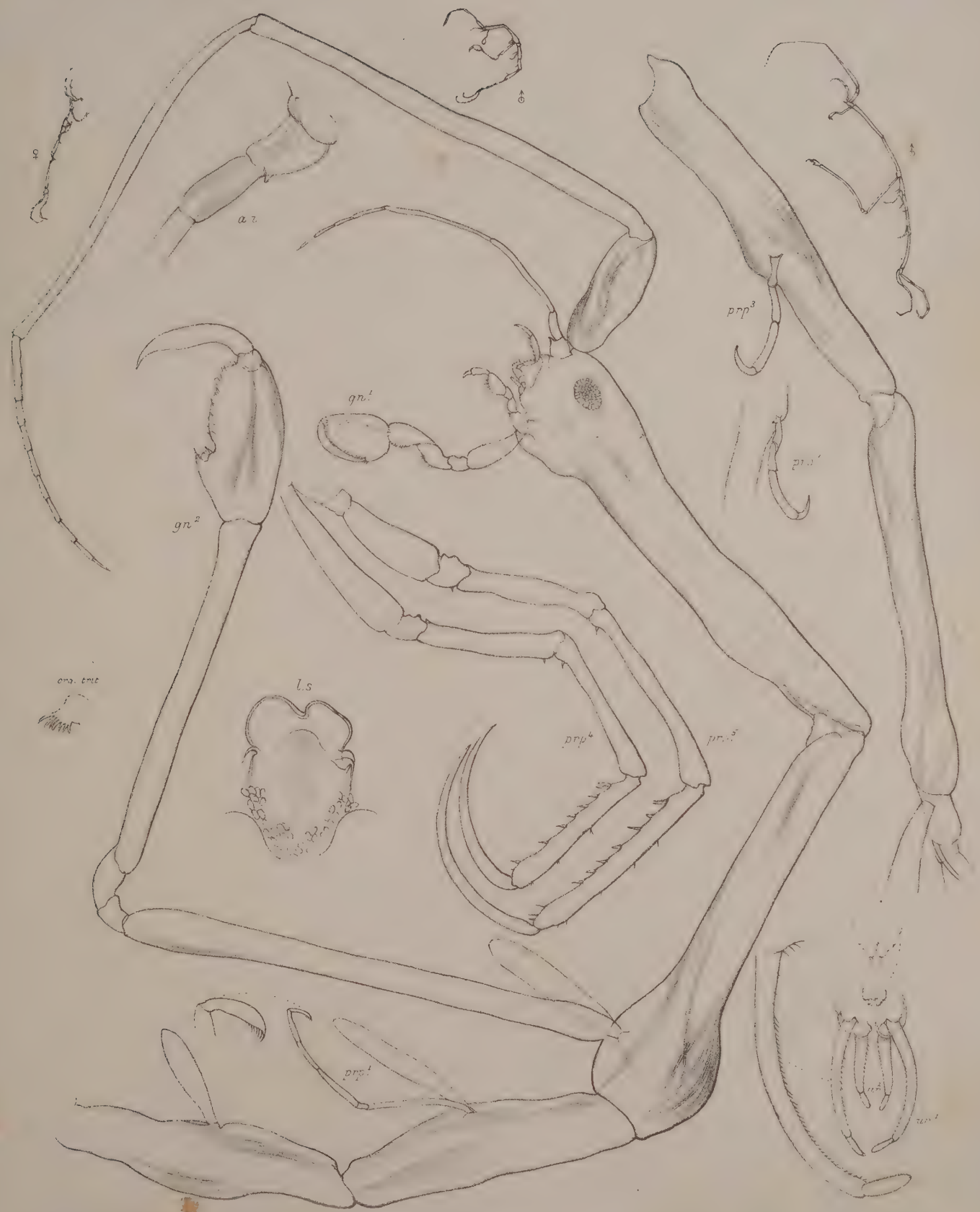
PODOCERUS VALIDUS, Dana. (sp.)

C



UNCIOLA IRRORATA, Say.

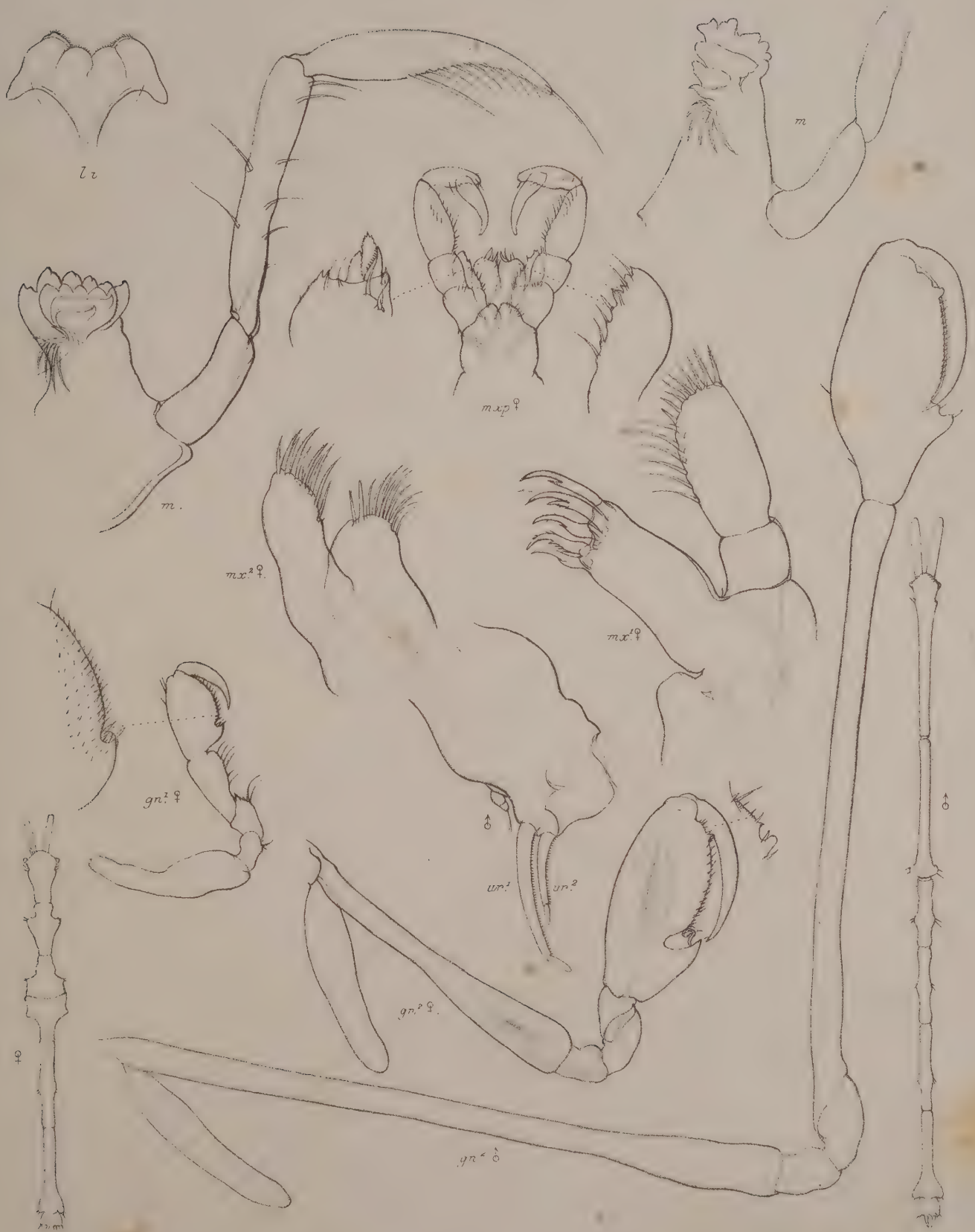
MISCELLANEA.



T.R.R. Stebbing, del.

Reid & Cowie, Lith. Edin.

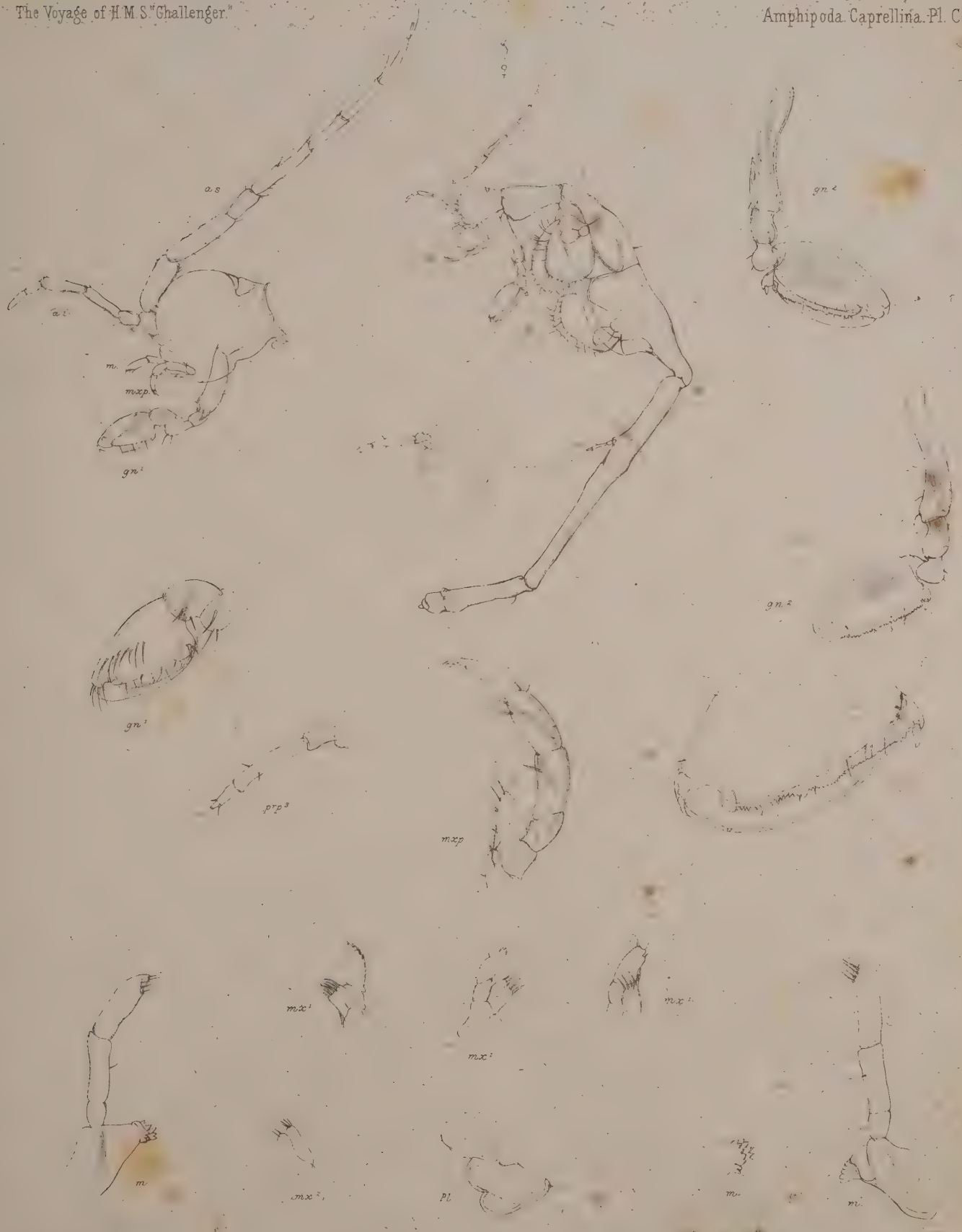
DODECAS ELONGATA, Stebbing.



T R R Stebbing, del.

DODECAS ELONGATA, Stebbing.

Reid & Cowie, Lith Edin.



T.R.R. Stebbing del

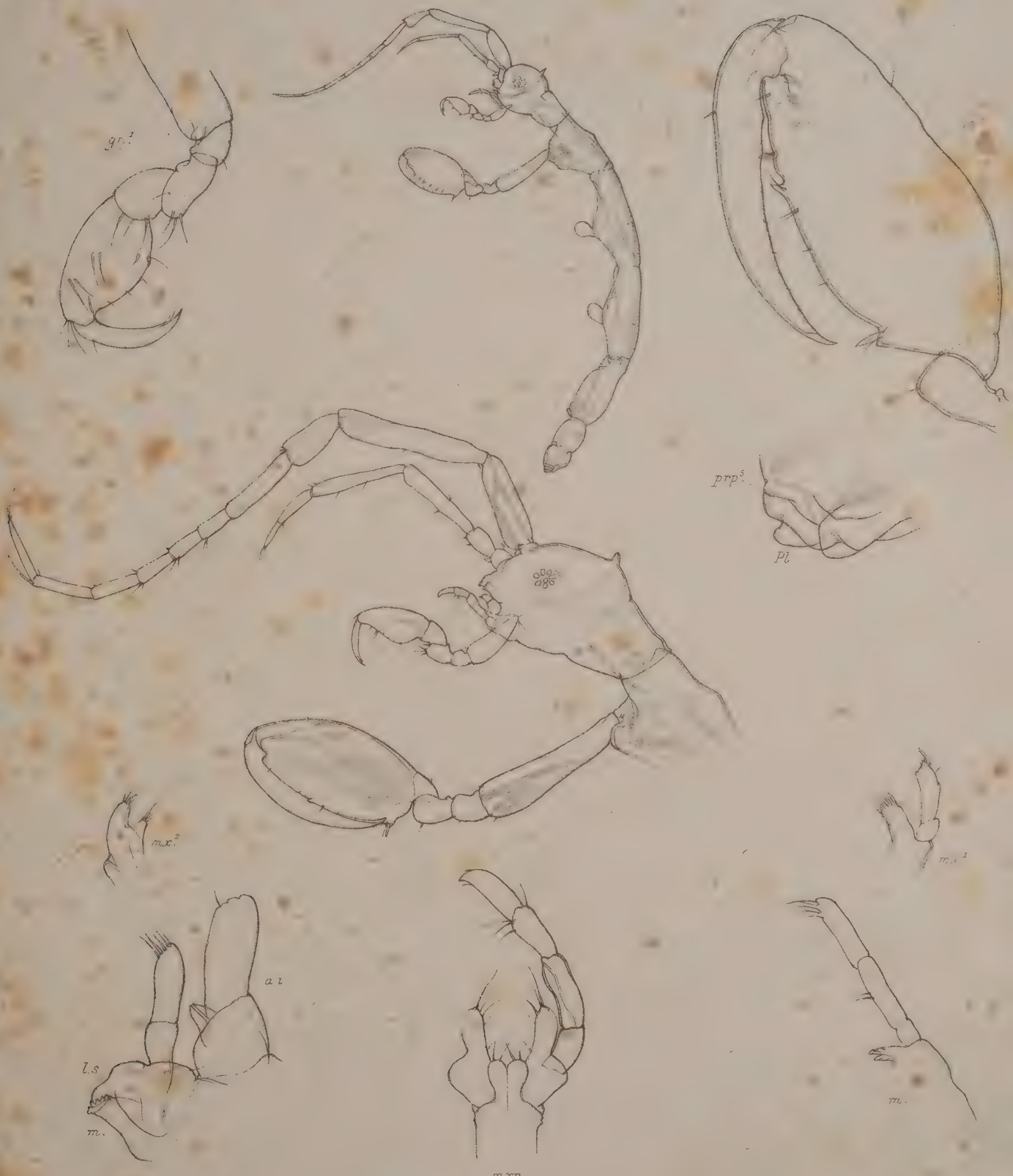
F. Huth, Lith.ʳ Edin.ʳ

CAPRELLINOIDES TRISTANENSIS, n. g et sp.

T R F Stebbing del

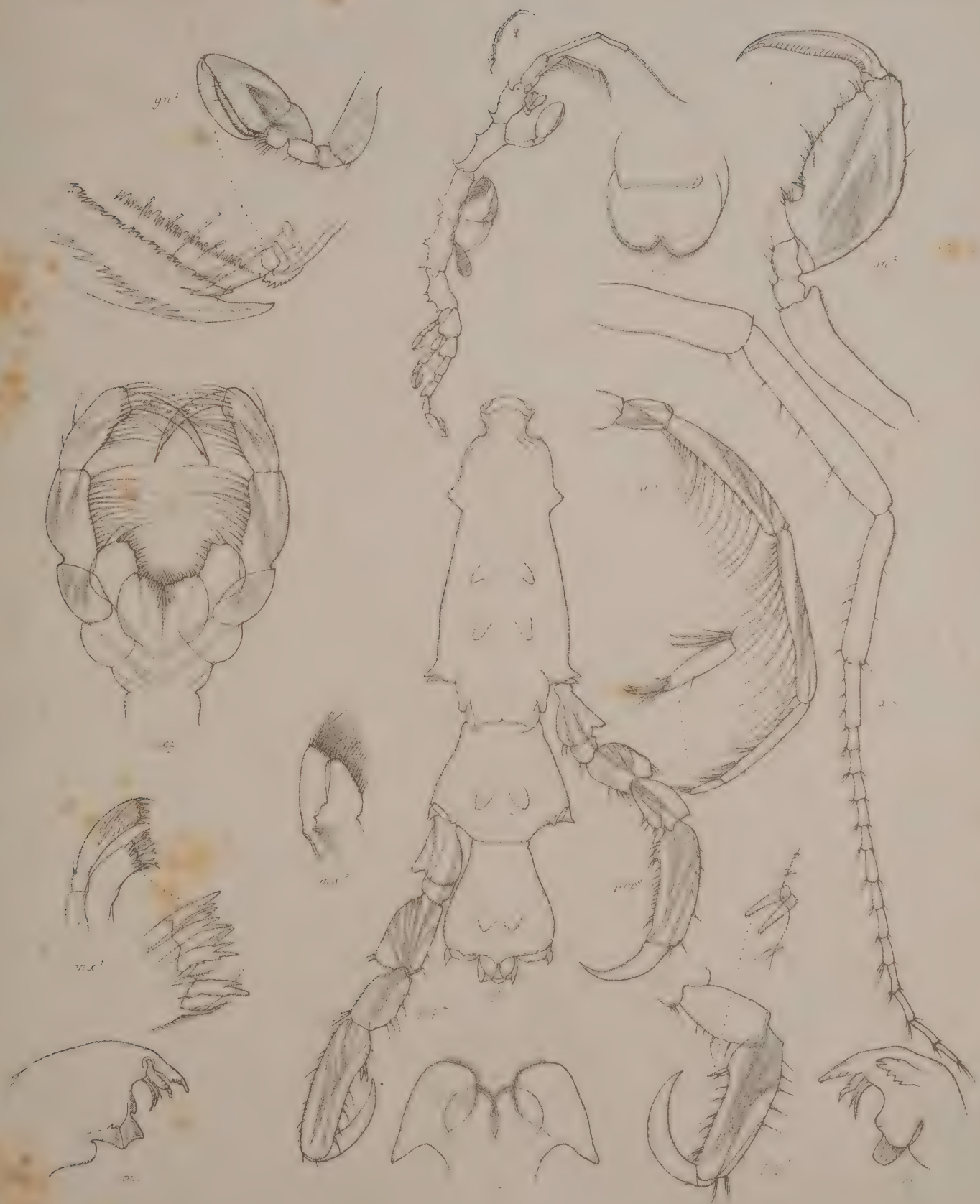
Reid & Codrie, Lith Edin^r

PROTELLOPSIS KERGUELENI n. g. et. sp.



T R R Stebbing, del. Reid & Cowie, Lith. Edinr.

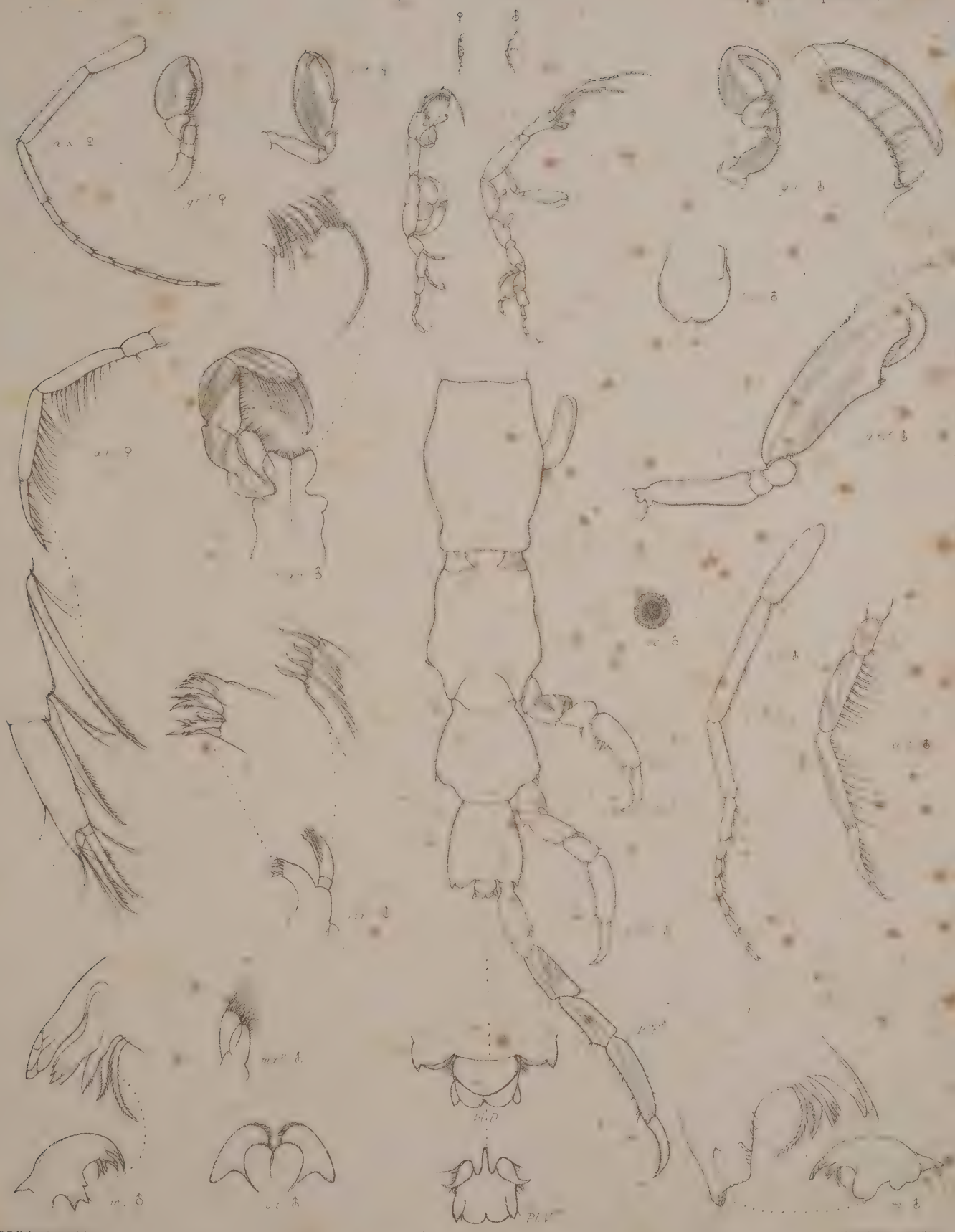
ÆGINELLA TRISTANENSIS, n. sp.



T.R.R. Stebbing, del.

Reid & Cowie, lith. Edin.

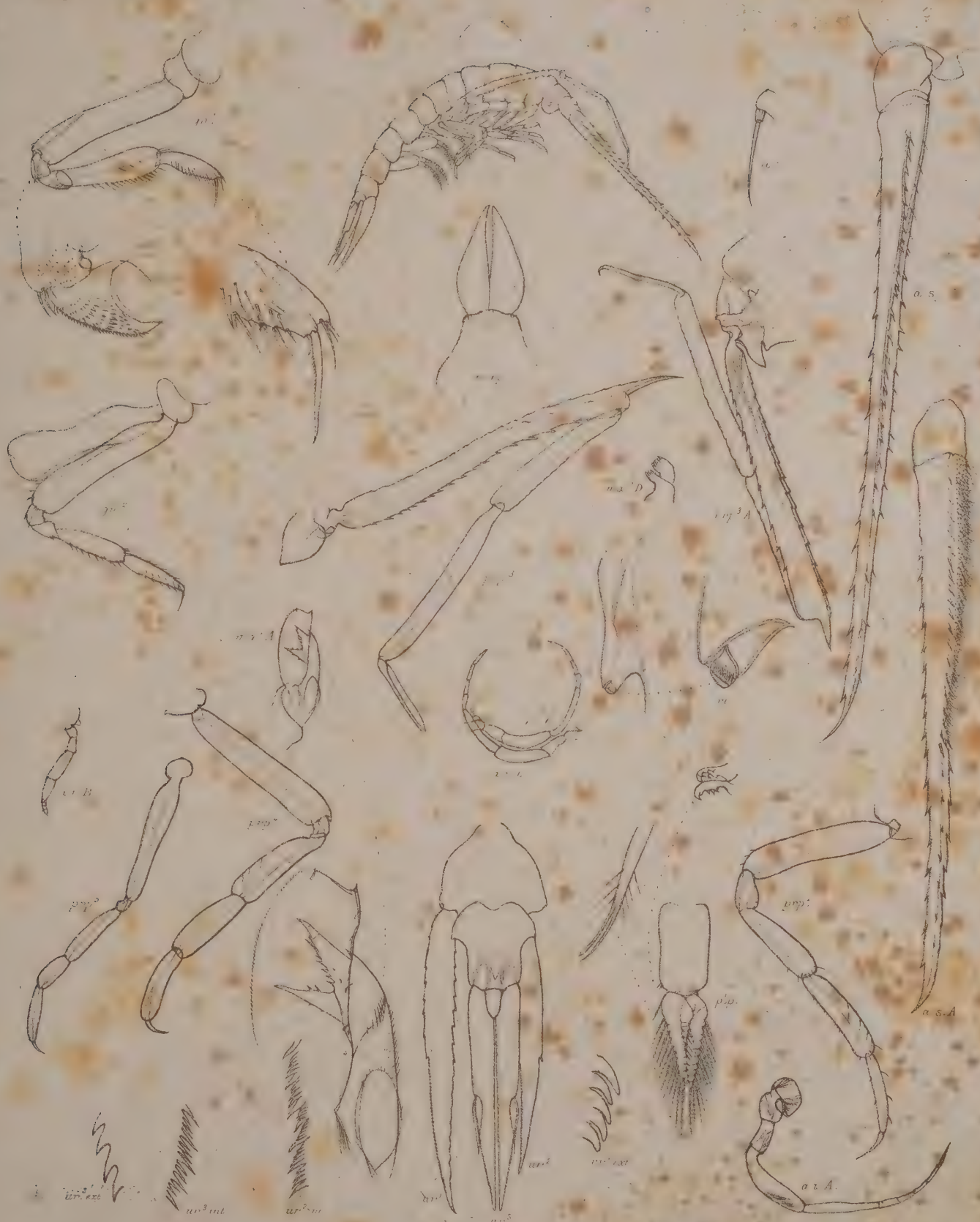
CAPRELLA SCAURA, Templeton.



T.R.R.Stebbing del.

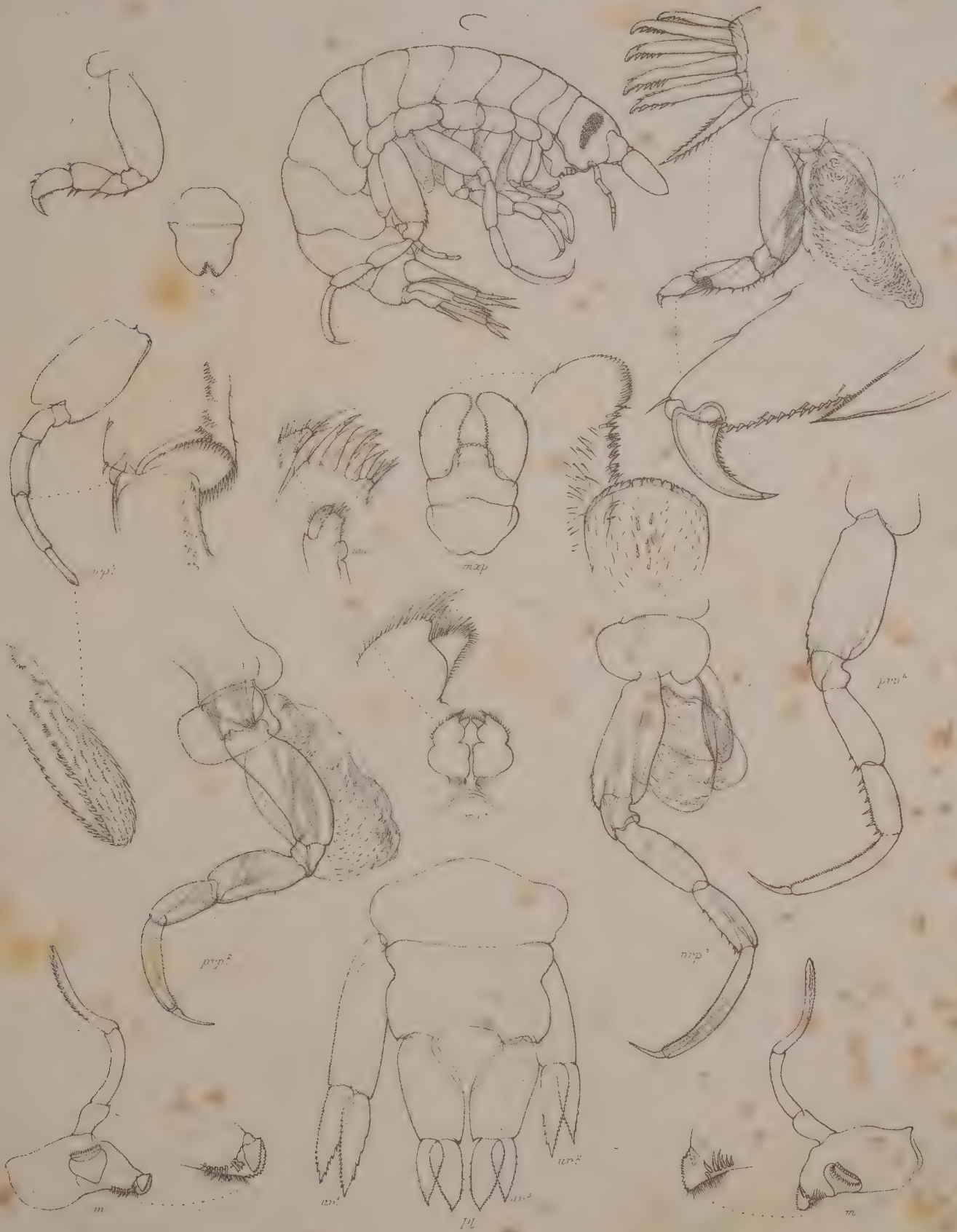
Reid & Lowe Lith. Edin.

CAPRELLA DANILEVSKII, Czerniavsk.



T & R Bretbung del. Reinde Reid, Lith Edin.

SCINA CORNIGERA, (Milne-Edwards)

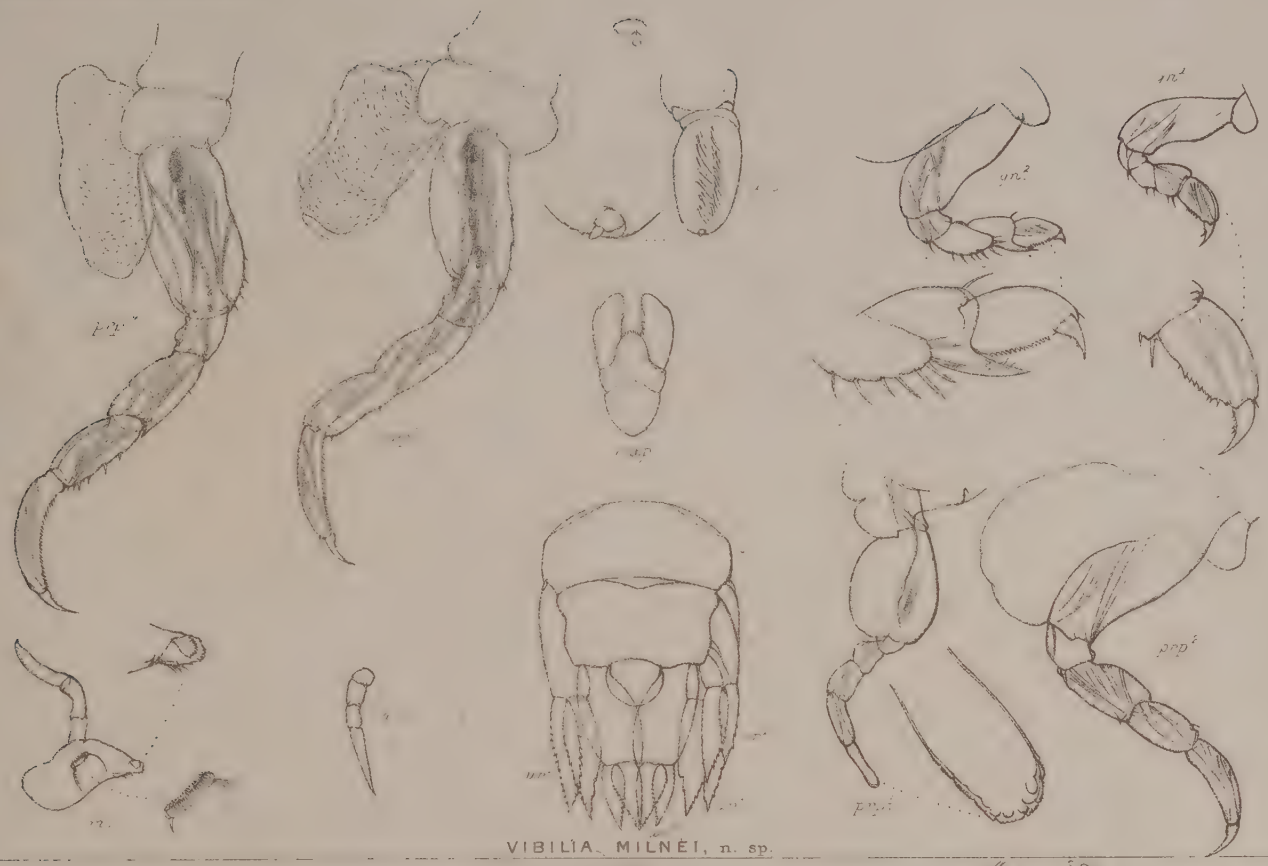


T.R.R. Stebbing, del.

Reid & Cowie lith. Edin.

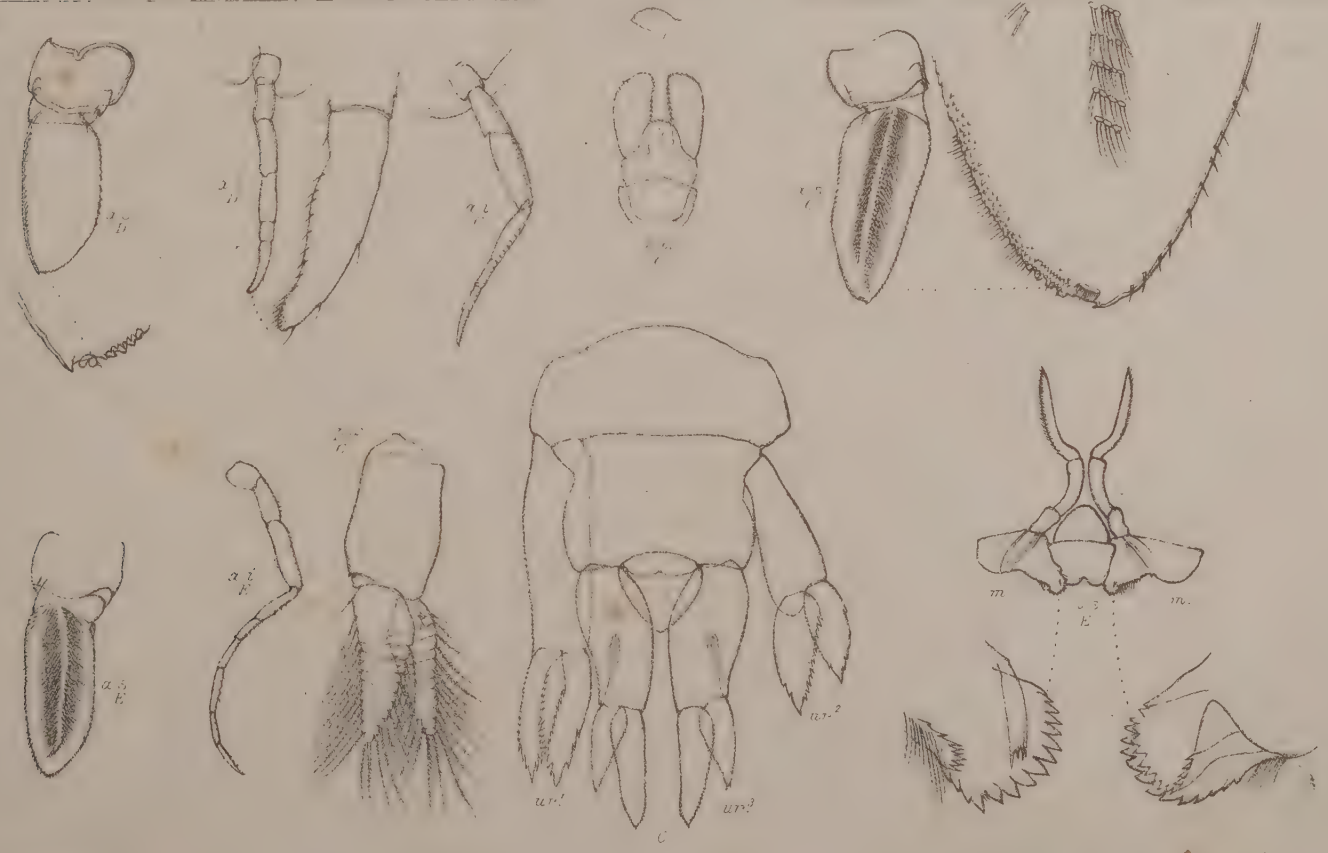
VIBILIA PROPINQUA, n. sp.

A.



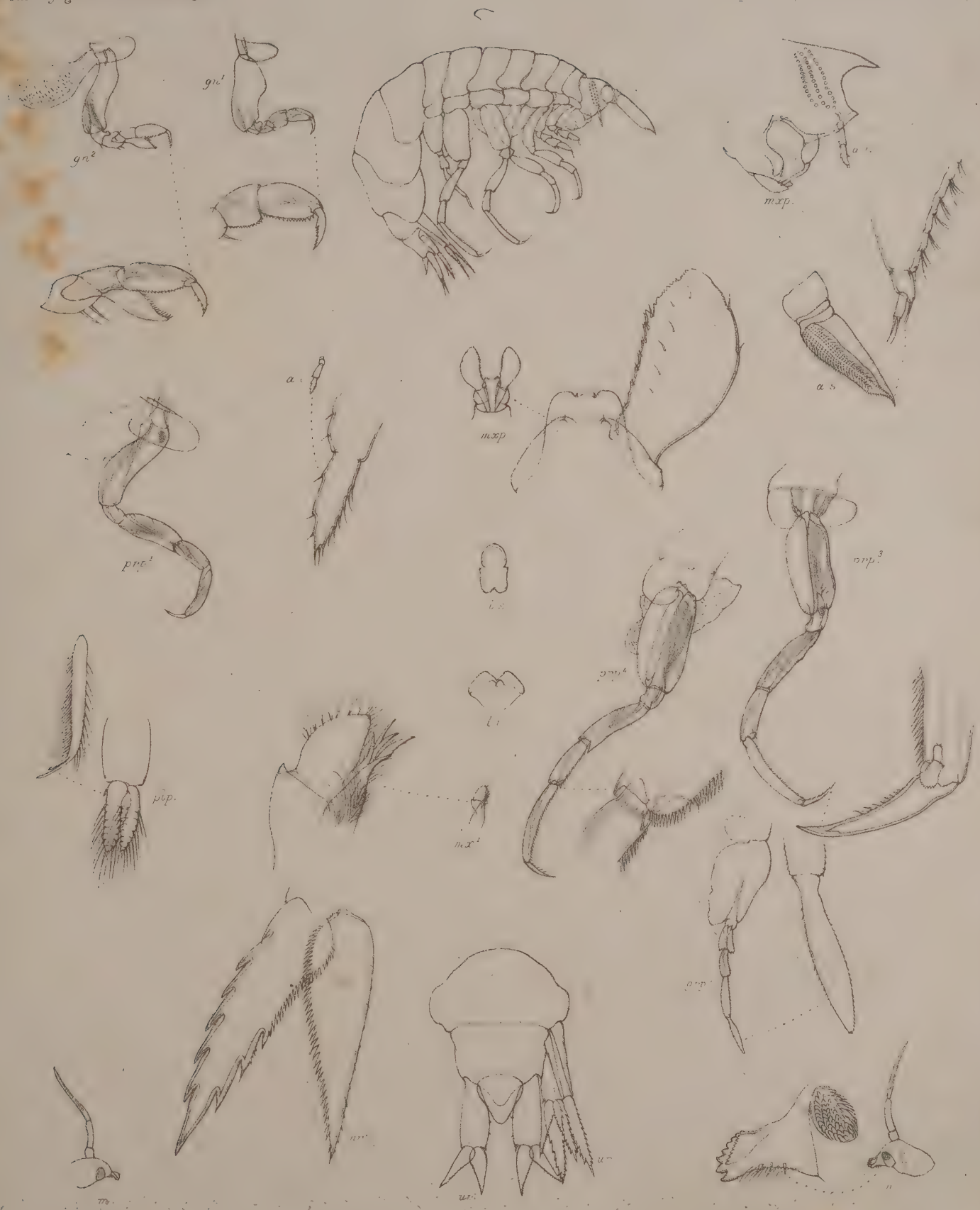
VIBILIA MILNEI, n. sp.

B.



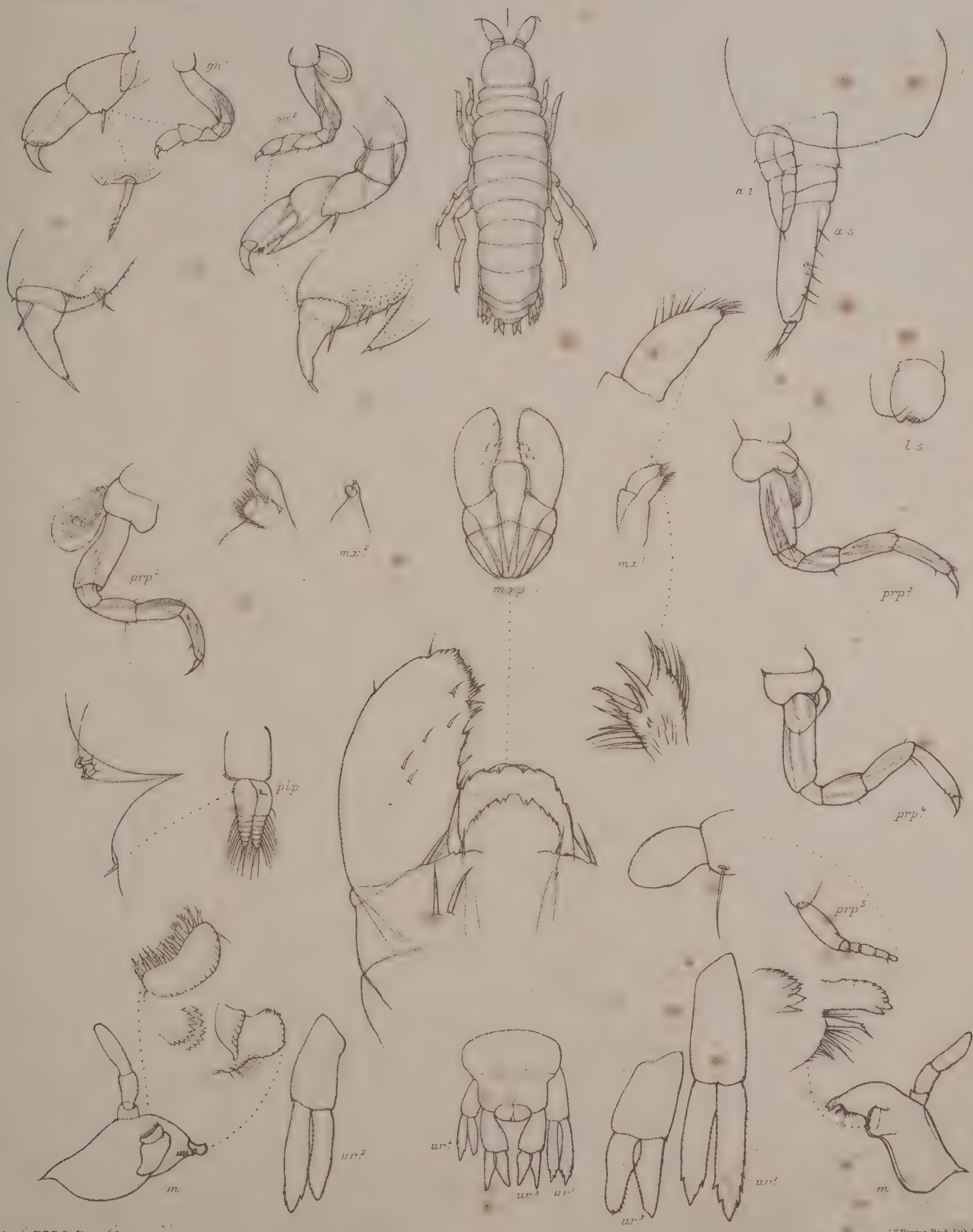
T.R.R. Stebbing, del. Reid & Cowie, Lith. Edin.

E. VIBILIA VIATOR, n. sp. C.D. VIBILIA, sp.



T.R.R. Stebbing, del.

VIBILIA AUSTRALIS, n. sp



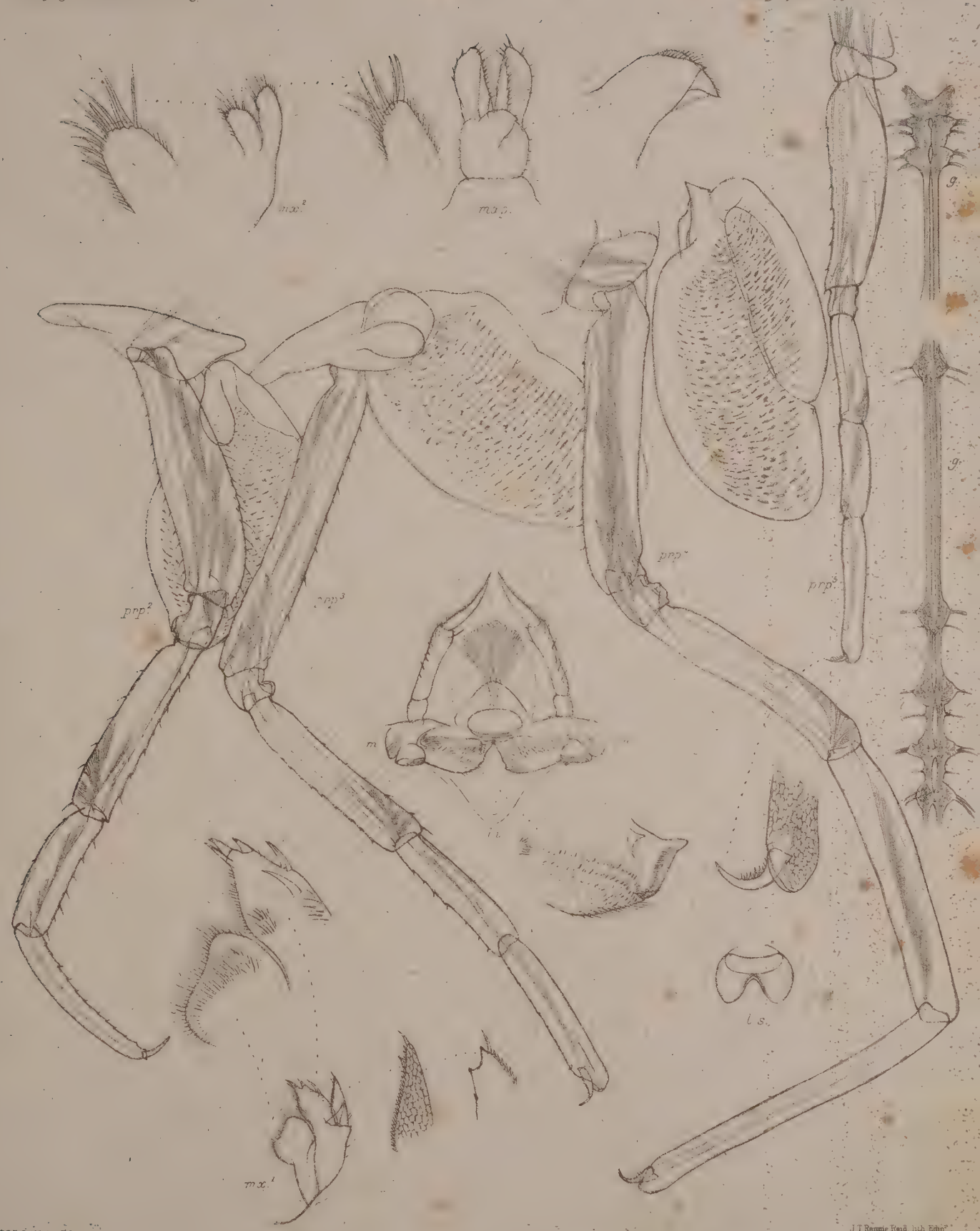
T.R.R. Stebbing, del. J.T. Rennie Reid, Lith. Edin.

VIBILIA ANTARCTICA, n. sp.

T.R.R. Stebbing del

J.T. Rennie Reid, lith. Edin.

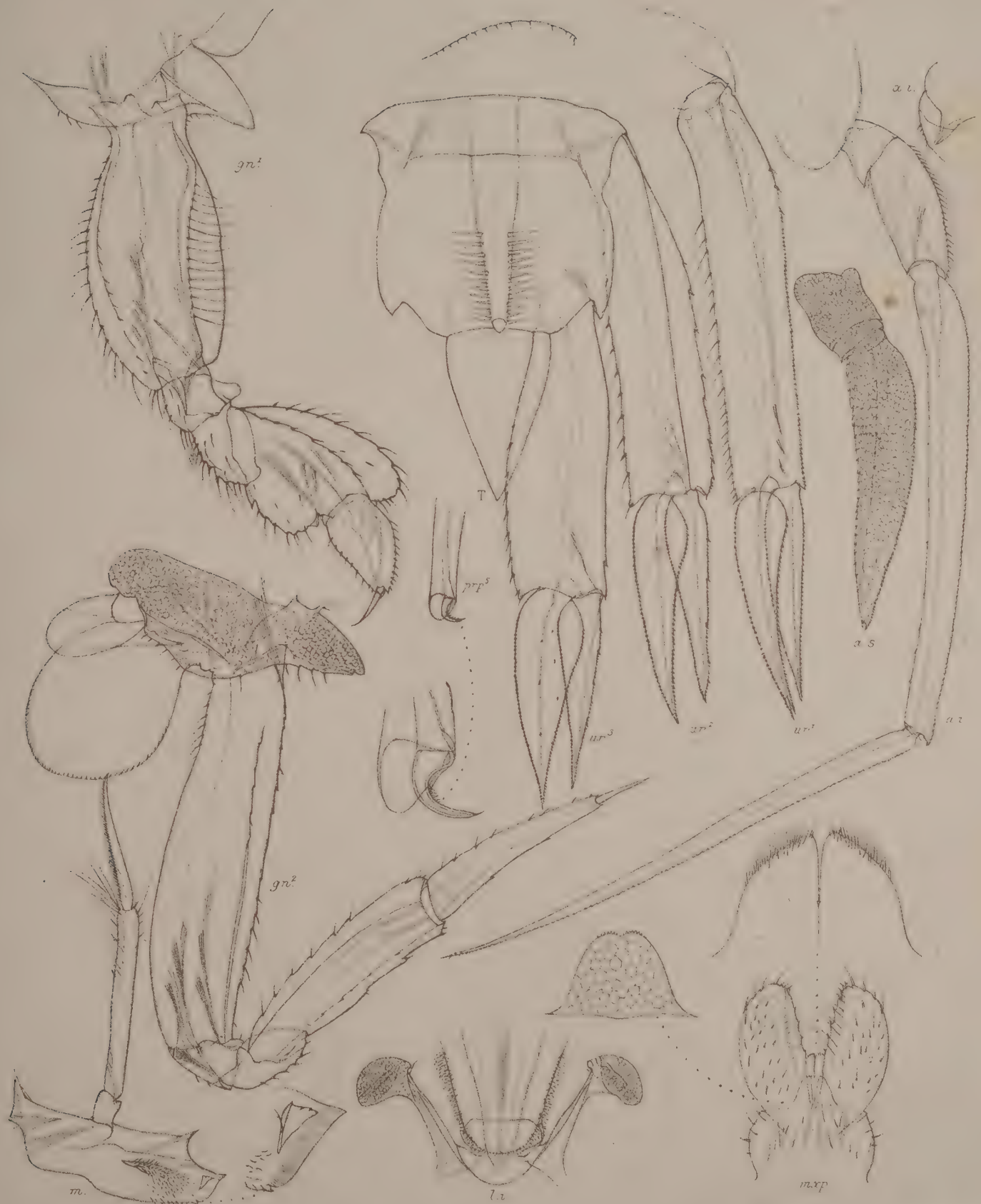
LANCEOLA PACIFICA, n. sp.



T.R.R. Stebbing, del.

J.T. Rennie Read. lith. Edin^r.

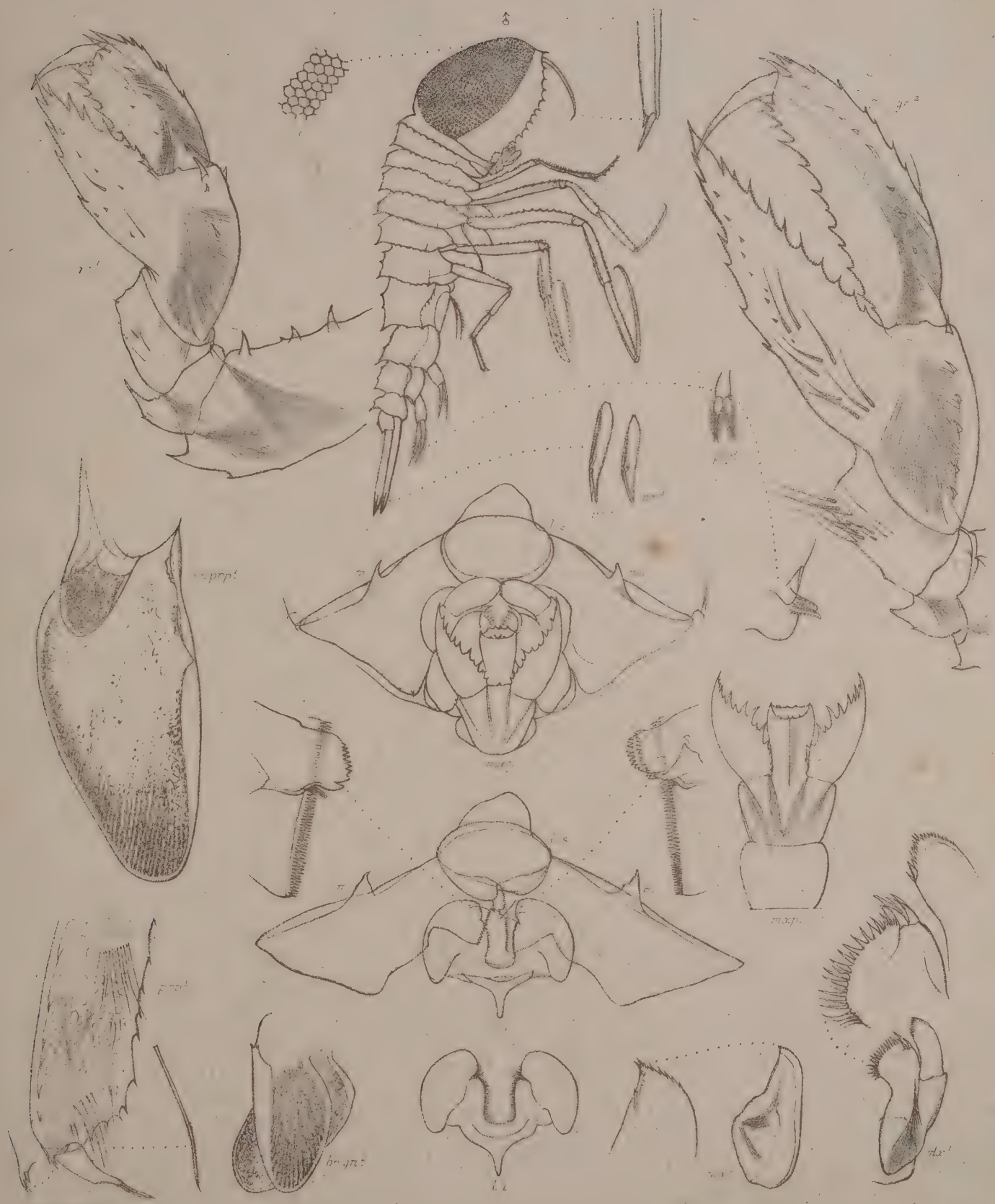
LANCEOLA PACIFICA, n. sp.



T.R.R.Stebbing del.

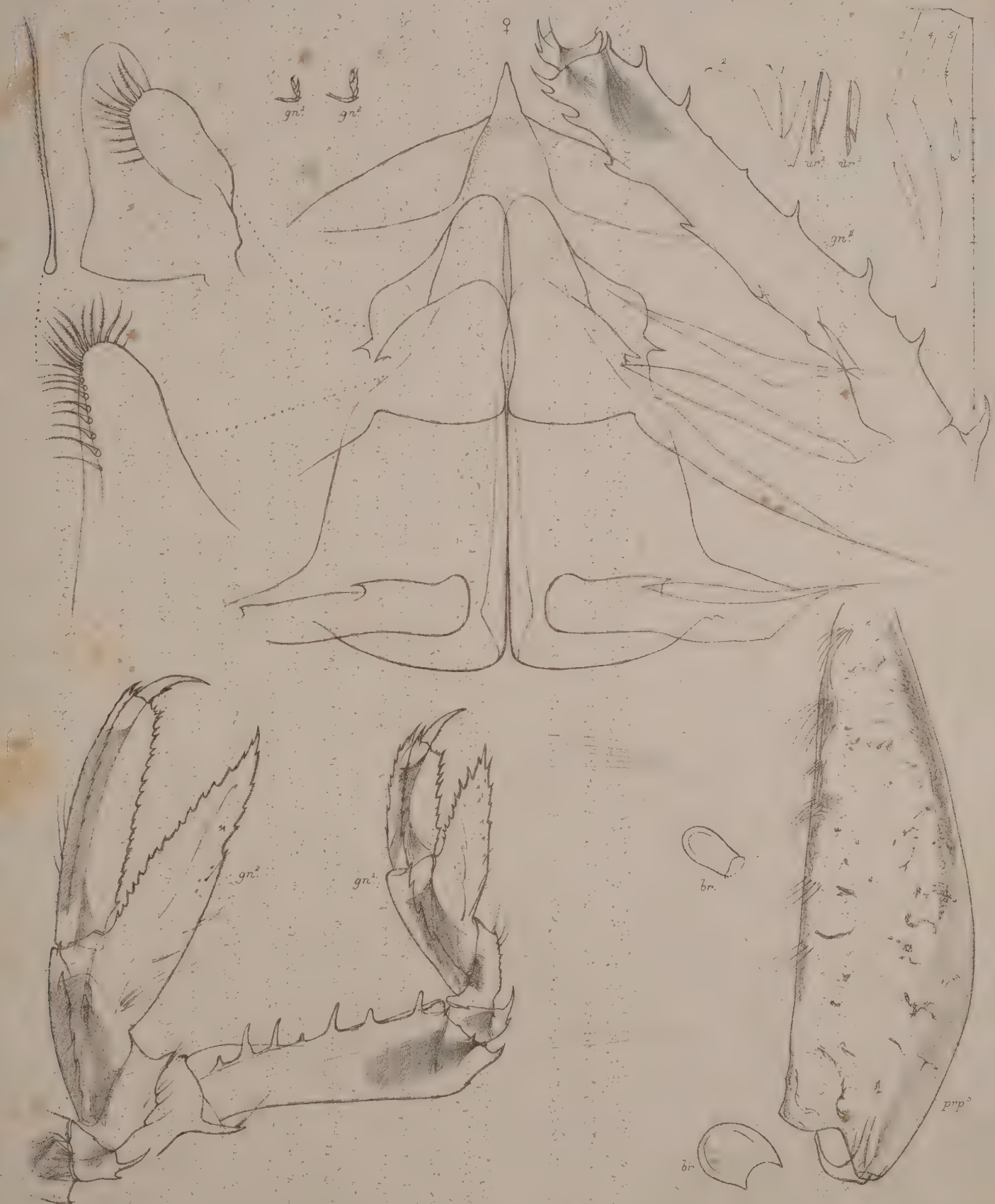
J.T Rennie Reid, lath Edin^r

LANCEOLA ÆSTIVA, n. sp.



J.T. Rorute Reid, lith. Edinr.

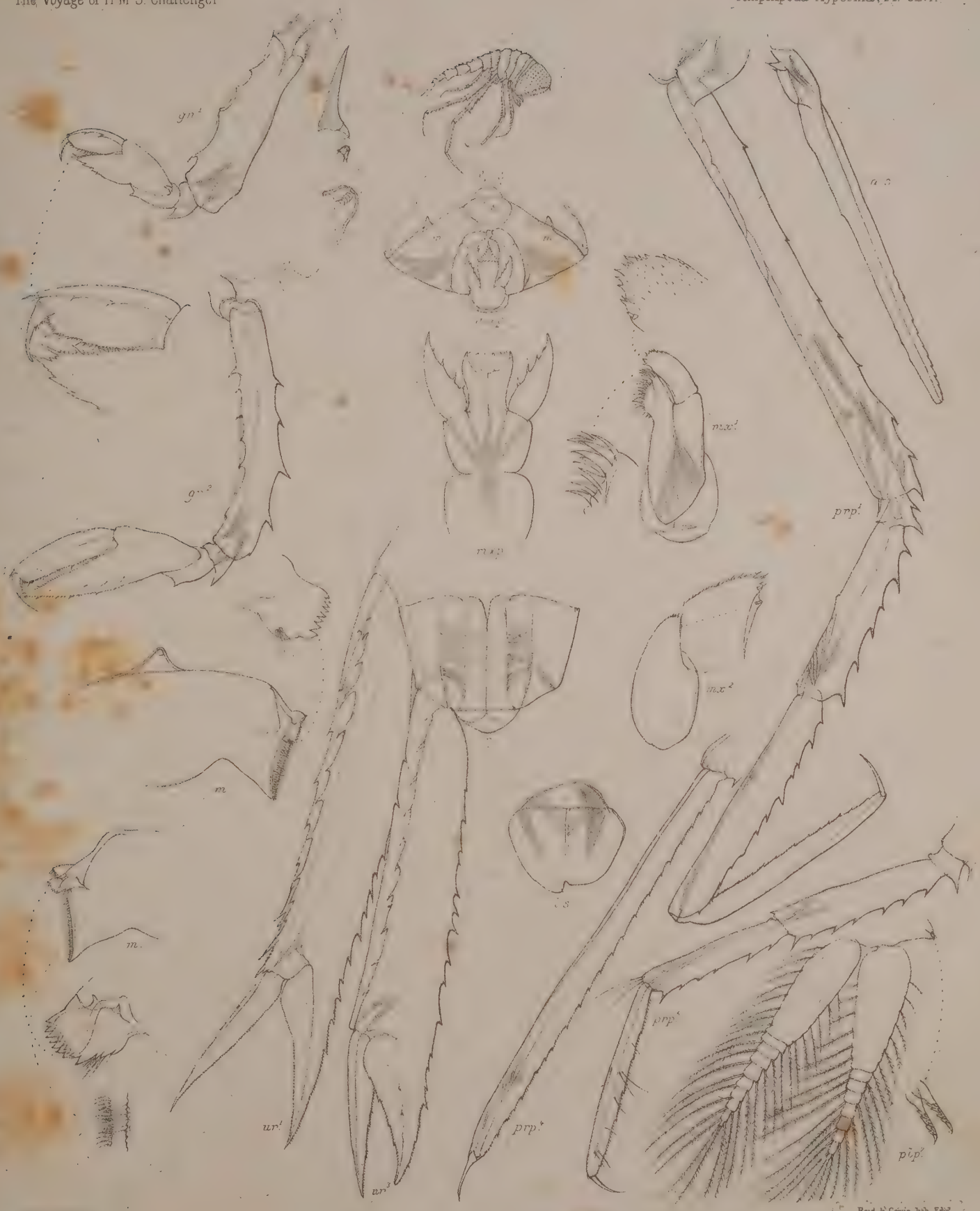
CYSTISOMA SPINOSUM (Fabricius).



F.R.R. Stebbing del

J.T. Reinte Reid, lith. Edin^r

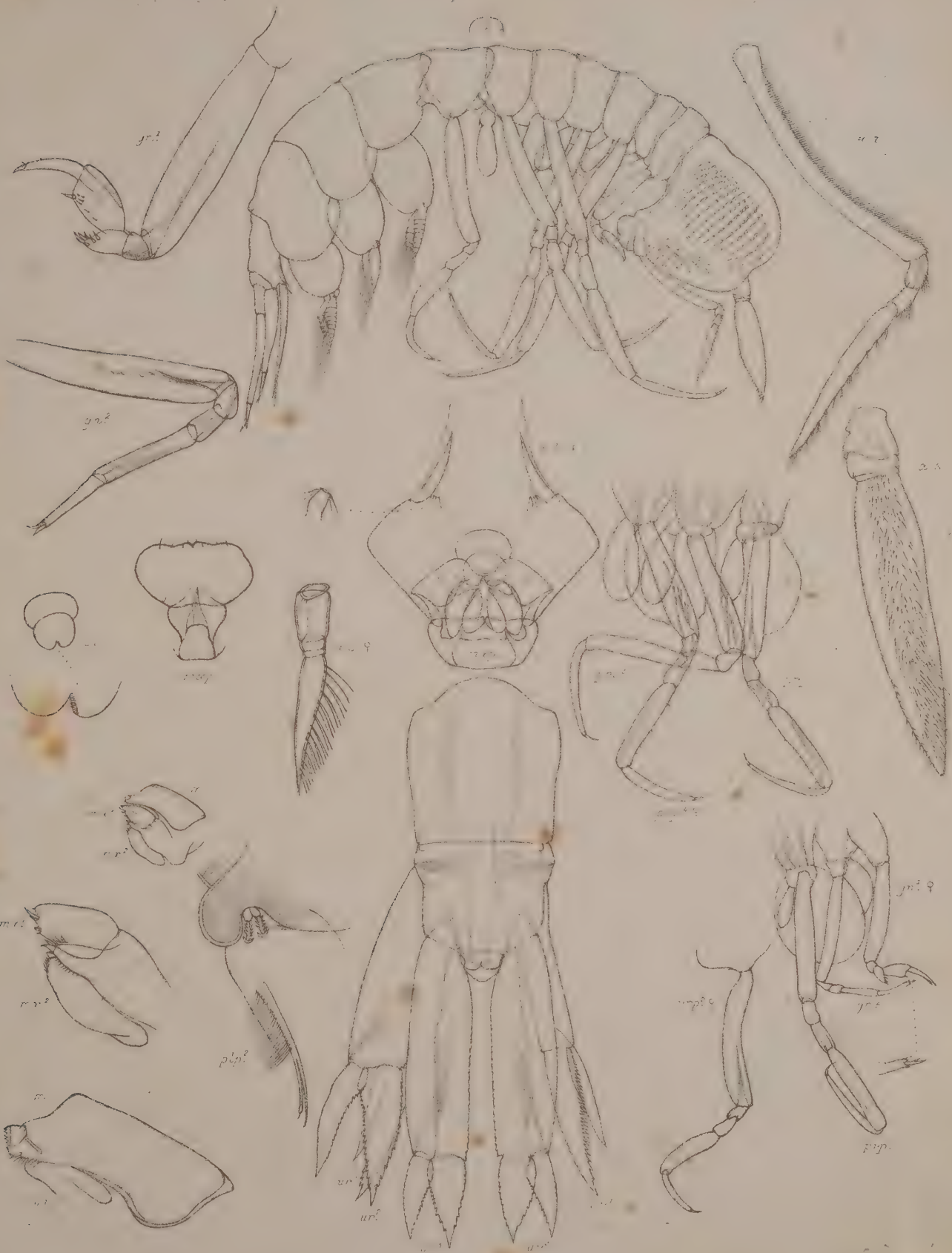
CYSTISOMA SPINOSUM (Fabricius).



T.R.R.Stebbing del

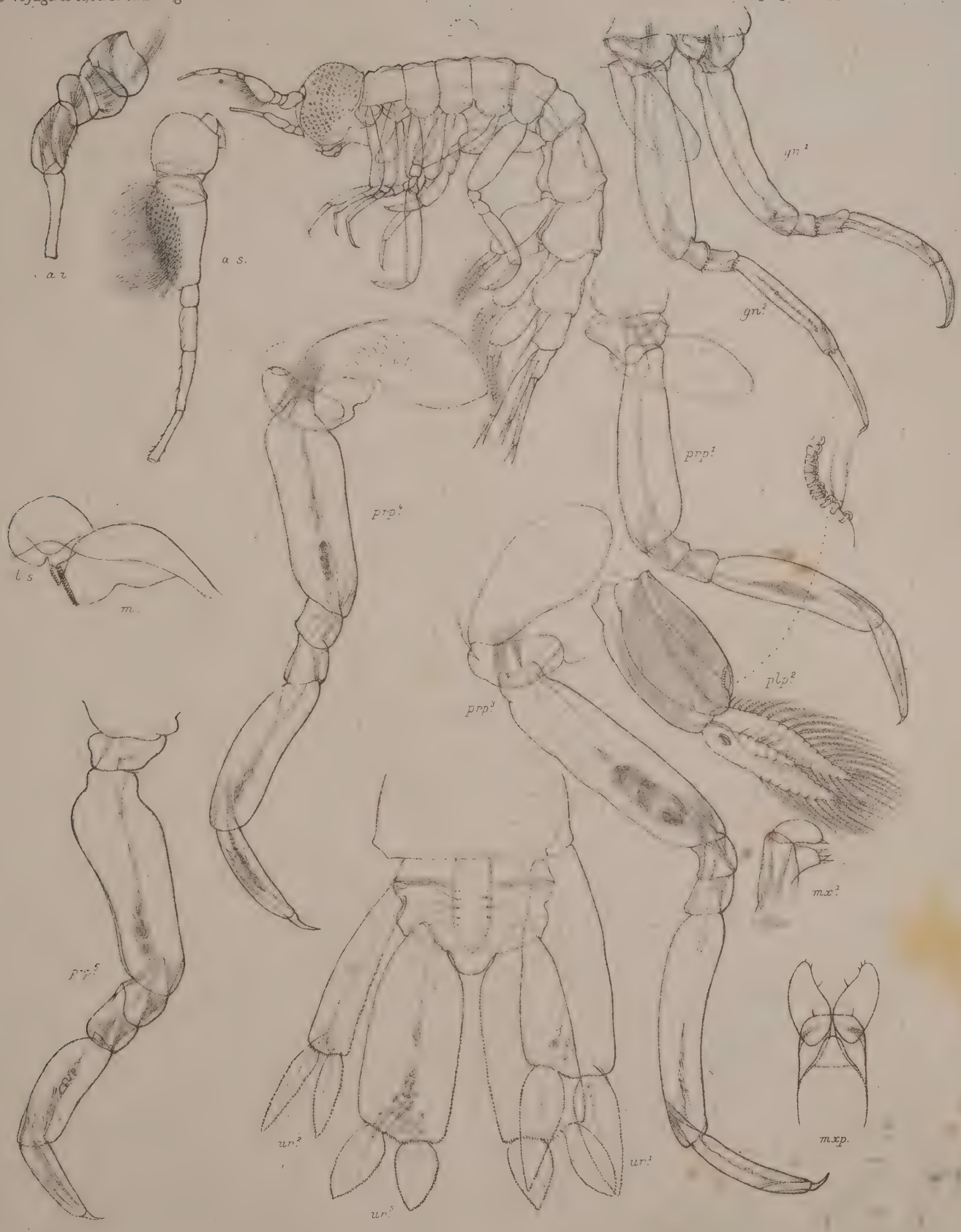
Reid & Cowie, lith. Edin.

CYSTISOMA SPINOSUM (Fabricius).



T.R.A. Stebbing del. Reid & Cowie, lith. Edin.

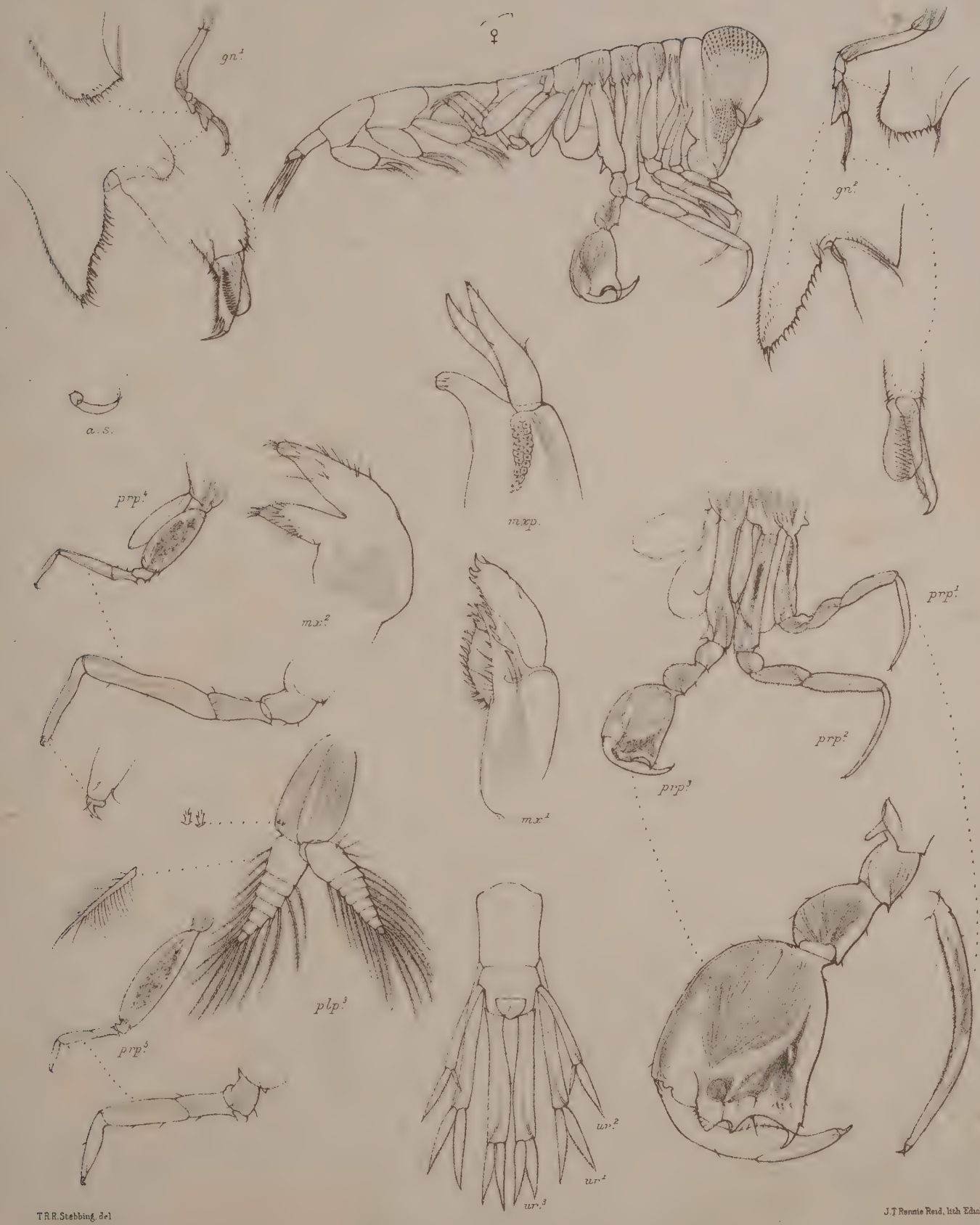
PARAPHRONIMA CUIVIS, n. sp.



T.R.R. Stebbing, del.

Reid & Cowie, lith. Edin.

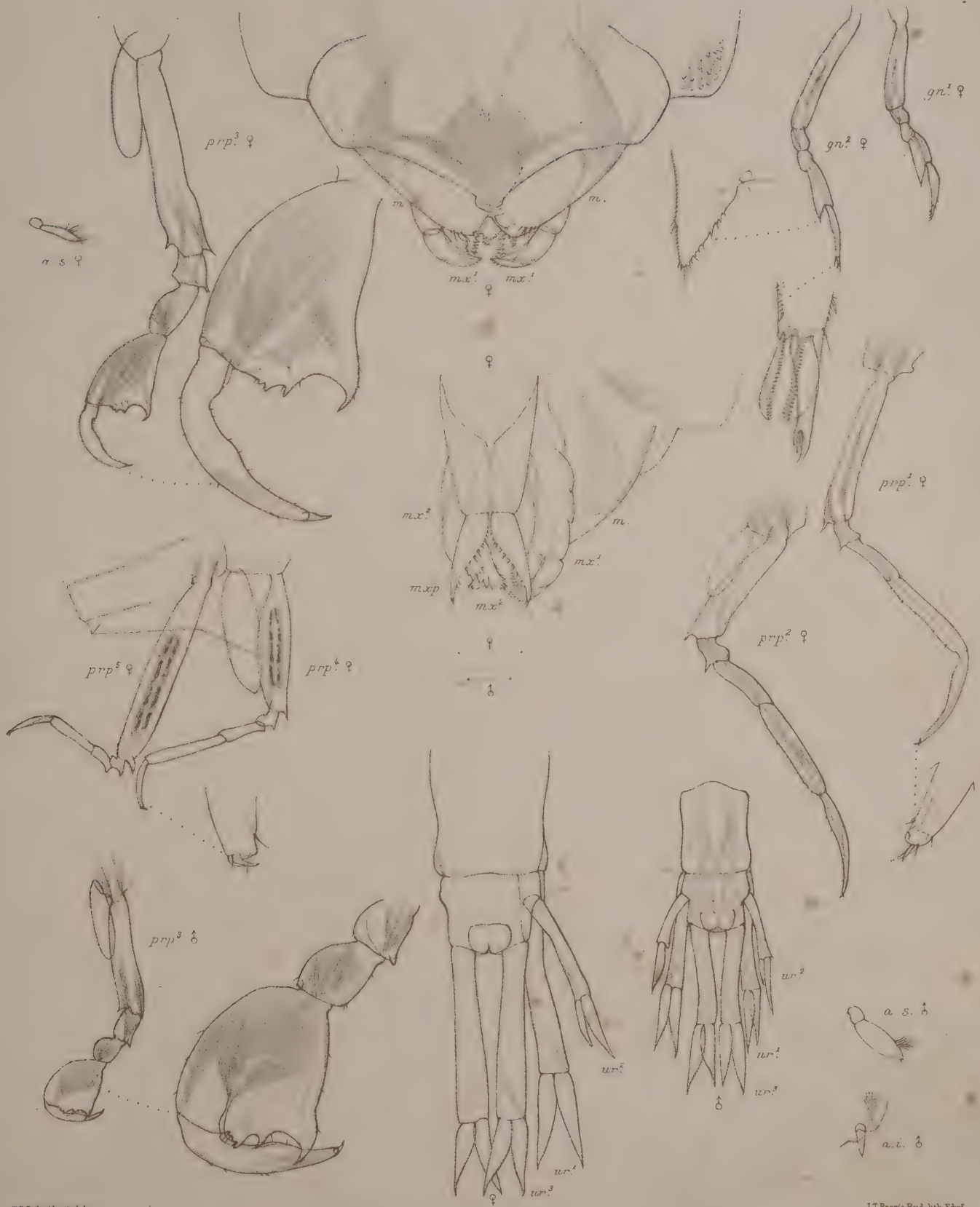
DAIRELLA BOVALLII, n. sp.



T.R.R. Stebbing, del

J.T. Rennie Reid, lith. Edin.r

PHRONIMA PACIFICA, Streets.

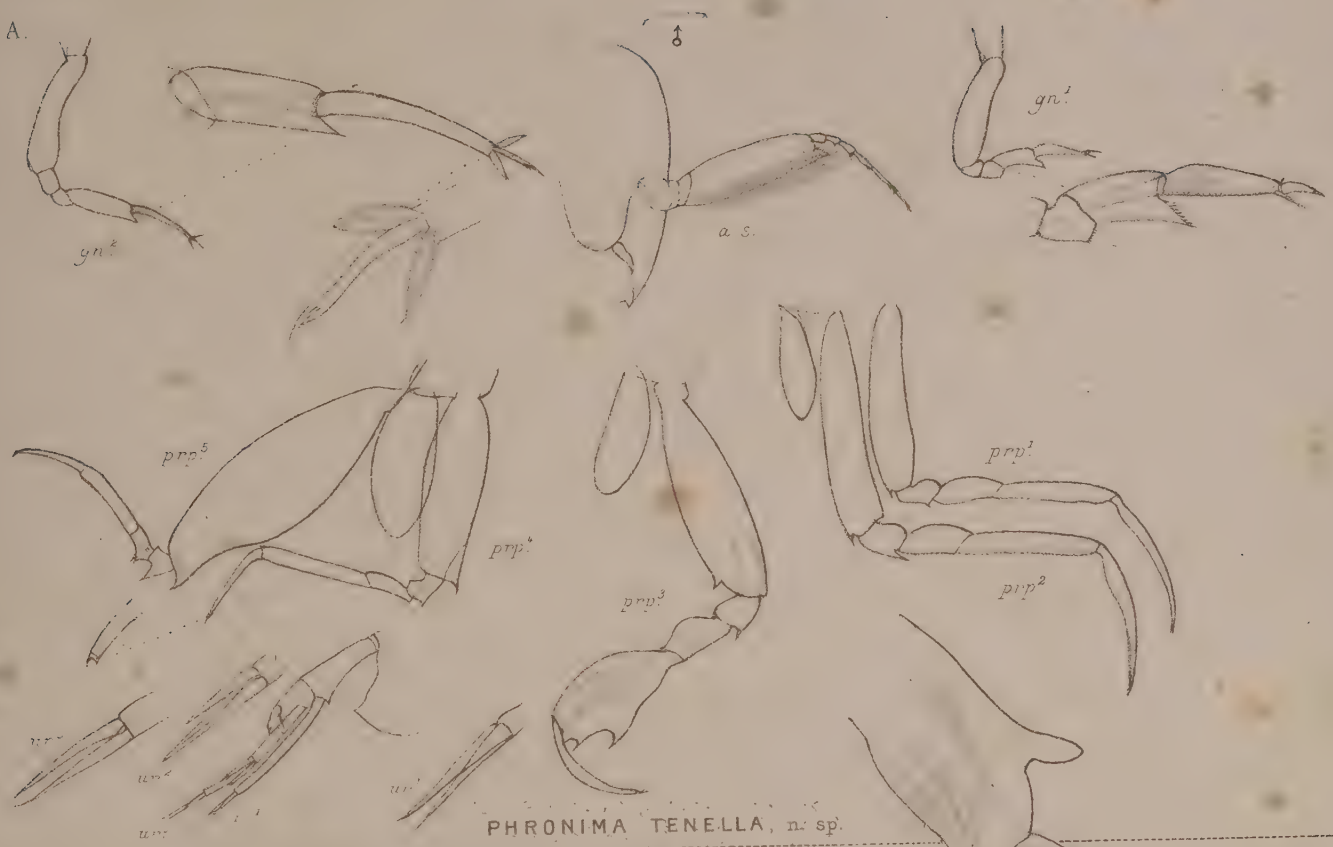


T R R Stebbing, del

J T Rennie Reid, lith Edin.r

PHRONIMA ATLANTICA, Guérin.

A.



PHRONIMA TENELLA, n. sp.

B.

T.R.R. Stebbing del.

J.T. Rennie Reid, lith. Edin.

PHRONIMA NOVAE-ZEALANDIAE? Powell.

A. B.

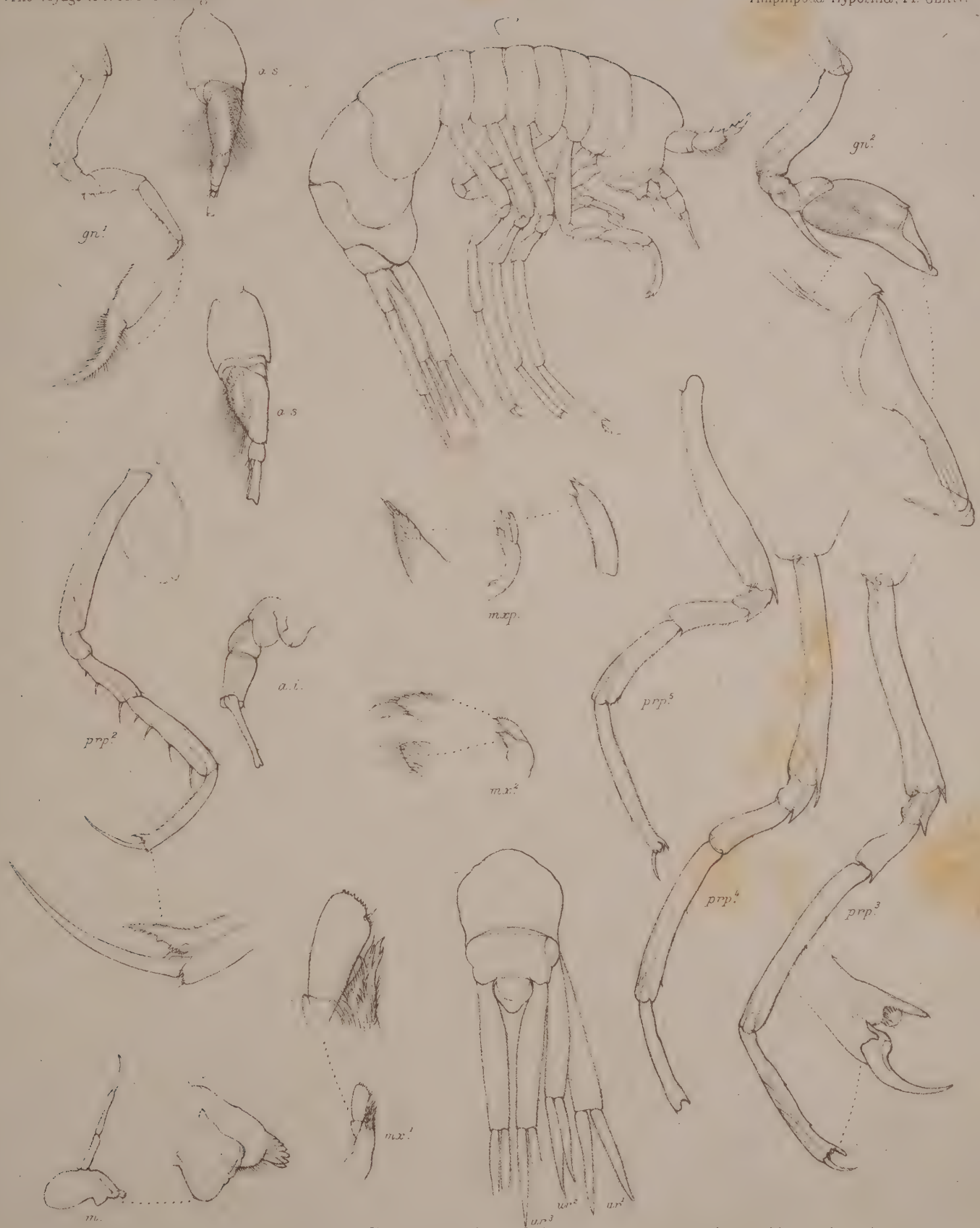
T.R.R. Stebbing del. J.T. Rennie Reid, Stah. Edinr.

PHRONIMA MEGALODOUS, n. sp. PHRONIMA SEDENTARIA, (Forskål).

T.R.R.S. sculp. del.

J. J. Reeve Repd. Bch. Lond.

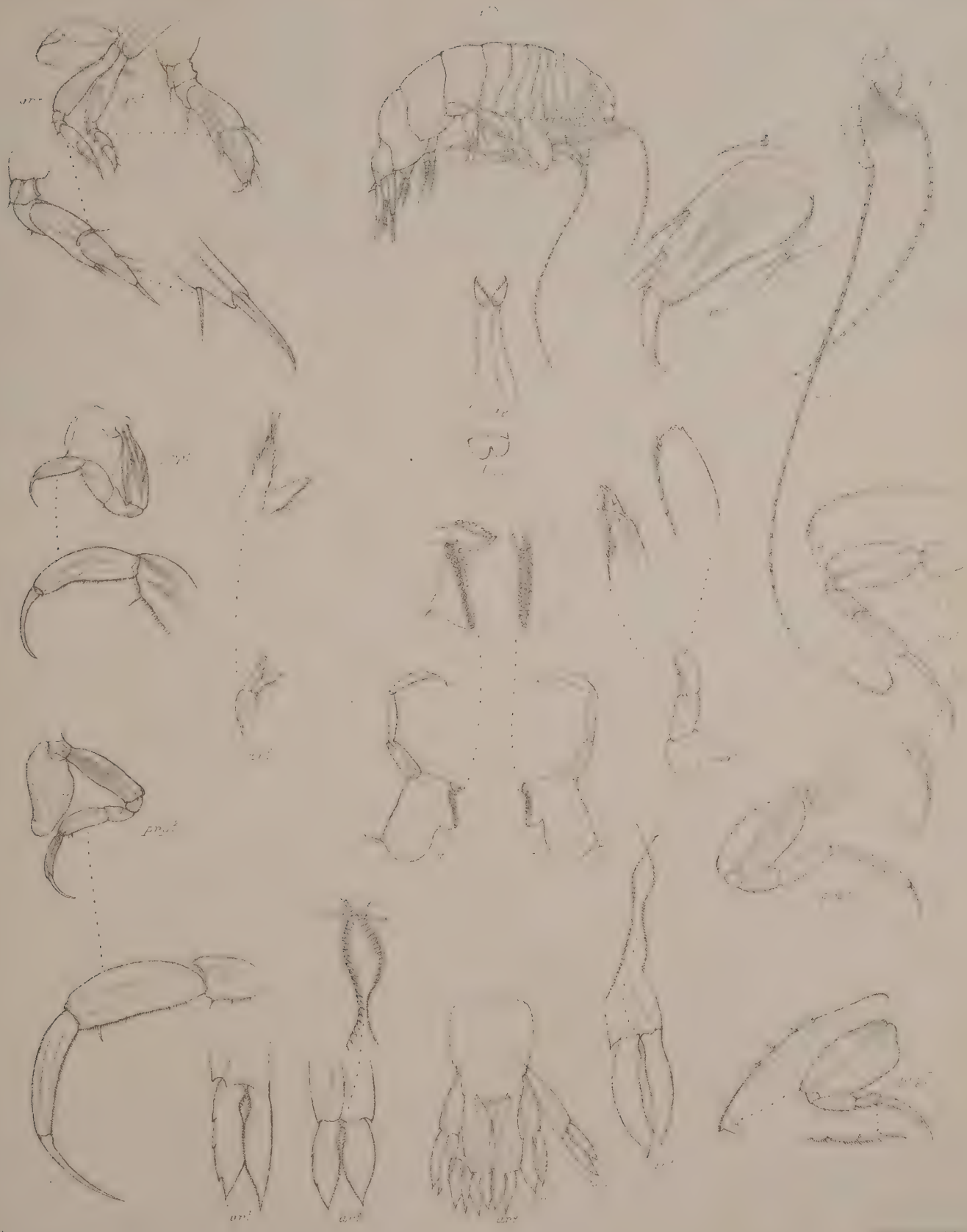
PHRONIMELLA ELONGATA. Claus.



T.R.R.Stebbing del

Reid & Cowie, lith. Edin.

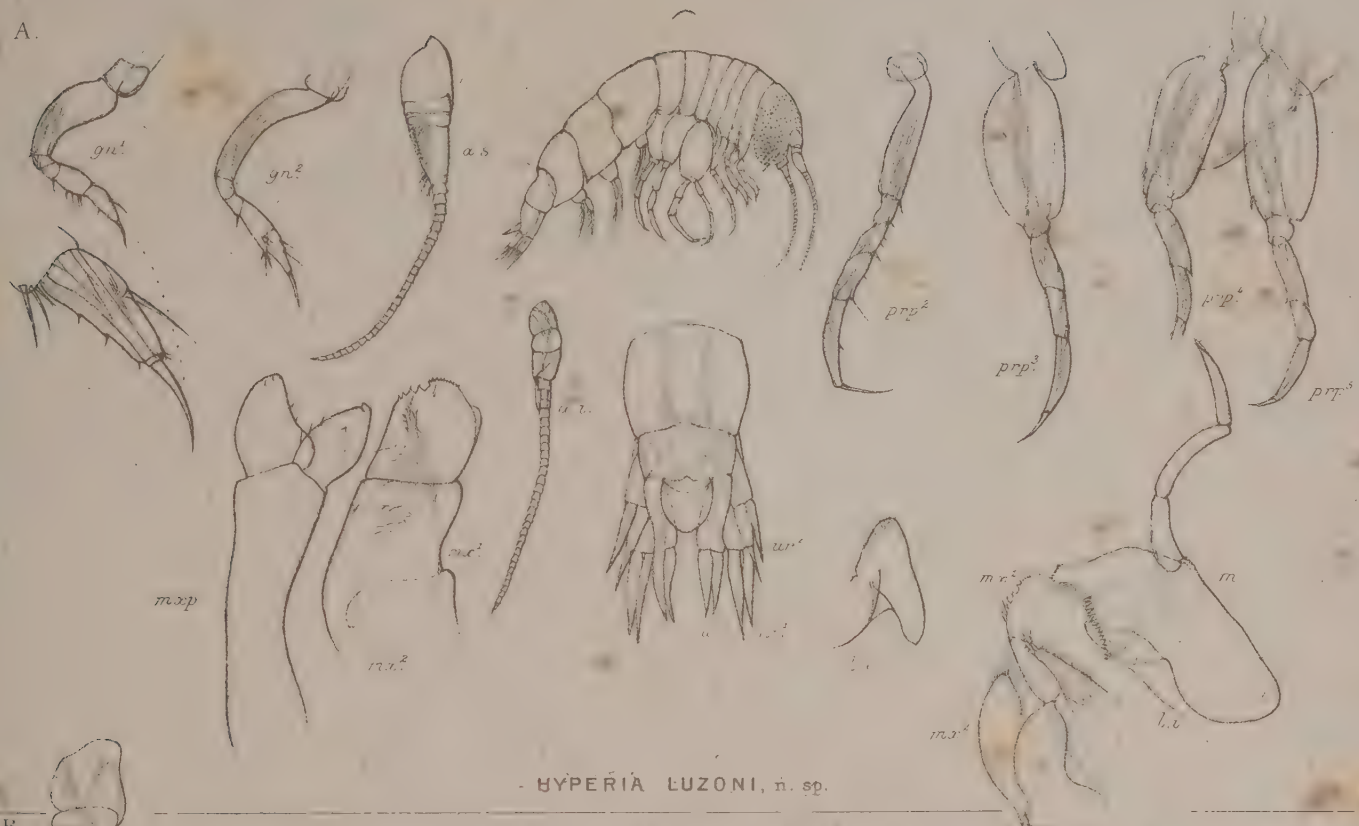
PHRONIMOPSIS TENELLA, n. sp.



T.R.R.Stebbing del

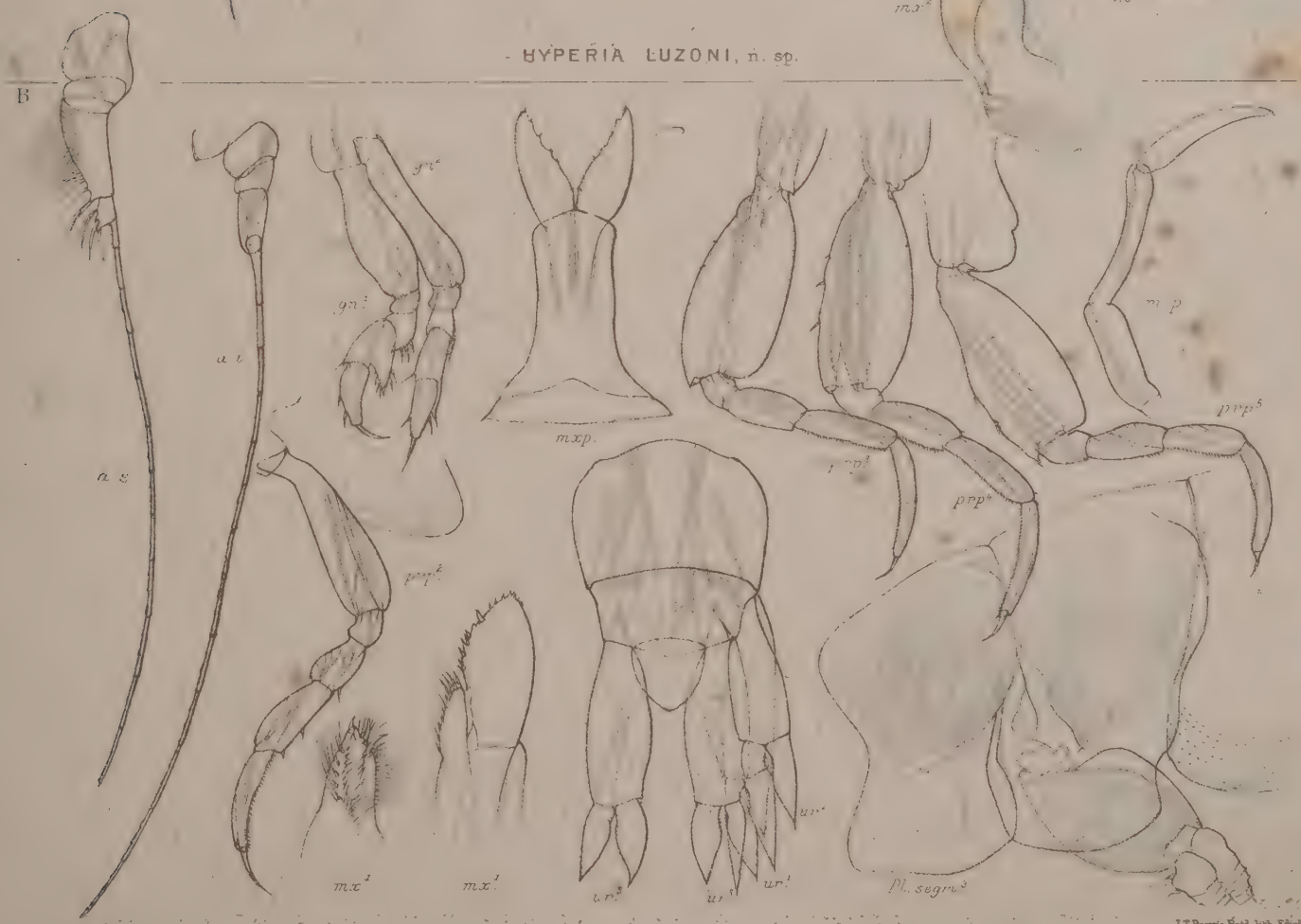
HYPERIA SIBAGINIS, n. sp.

A.



HYPERIA LUZONI, n. sp.

B



T.R.R.Stebbing, del.

J.T.Rennie Hatd, lith. Edin.

HYPERIA PROMONTORII, n sp.

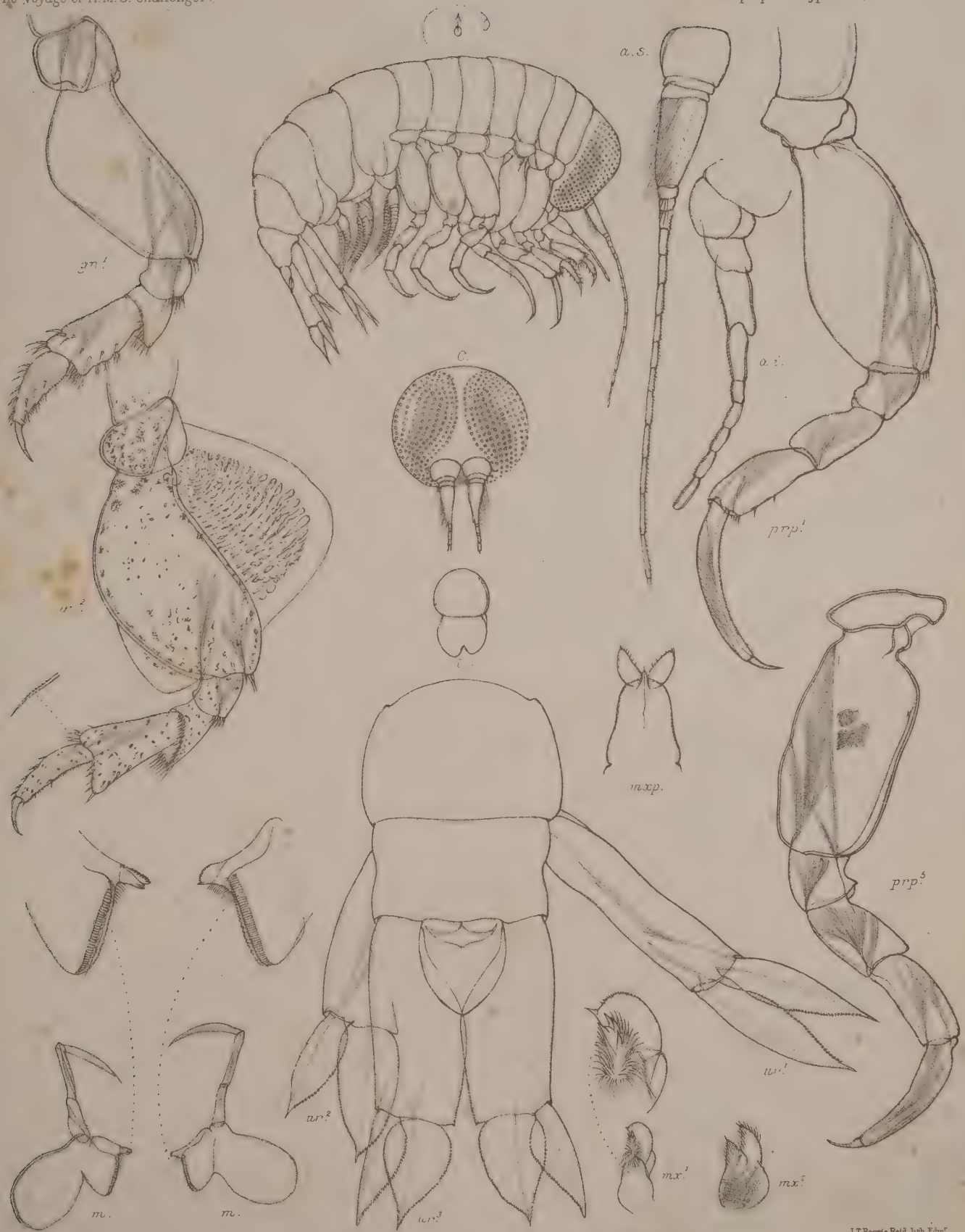
T.R.R.Stebbing del J.T.Rennie Reid, lith Edin.r

HYPERIA DYSSCHISTUS, n. sp.

T R R Stebbing del

J.T. Rennie Read. lith. Edin.

HYPERIA SCHIZOGENEIOS. n sp.



T.R.R. Stebbing, del.

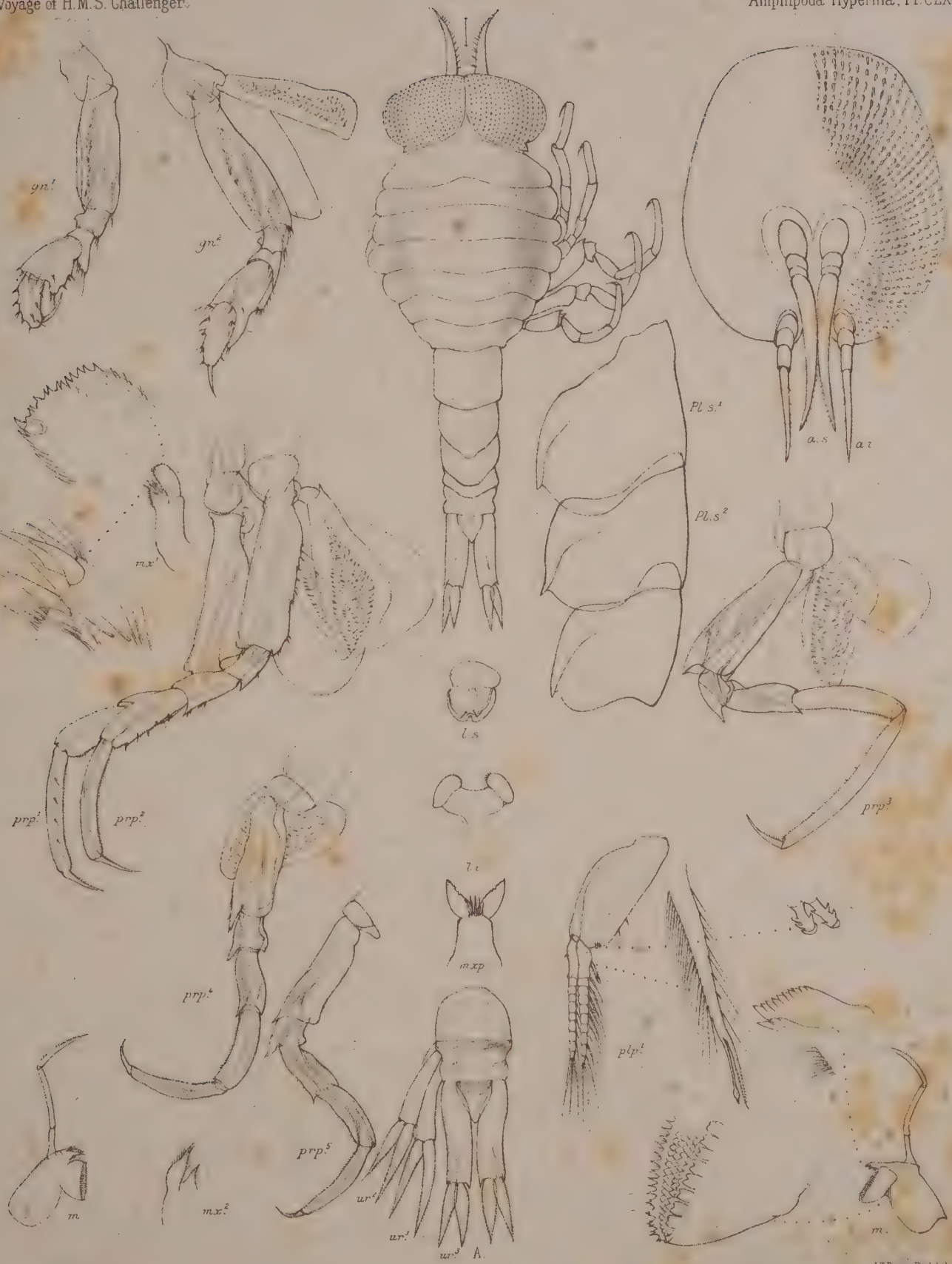
J.T. Rennie Reid, lith. Edin.

HYPERIA GAUDICHAUDII, Milne-Edwards.

T.R.R. Stebbing del.

J.T. Rennie Reid, lith. Edin.r

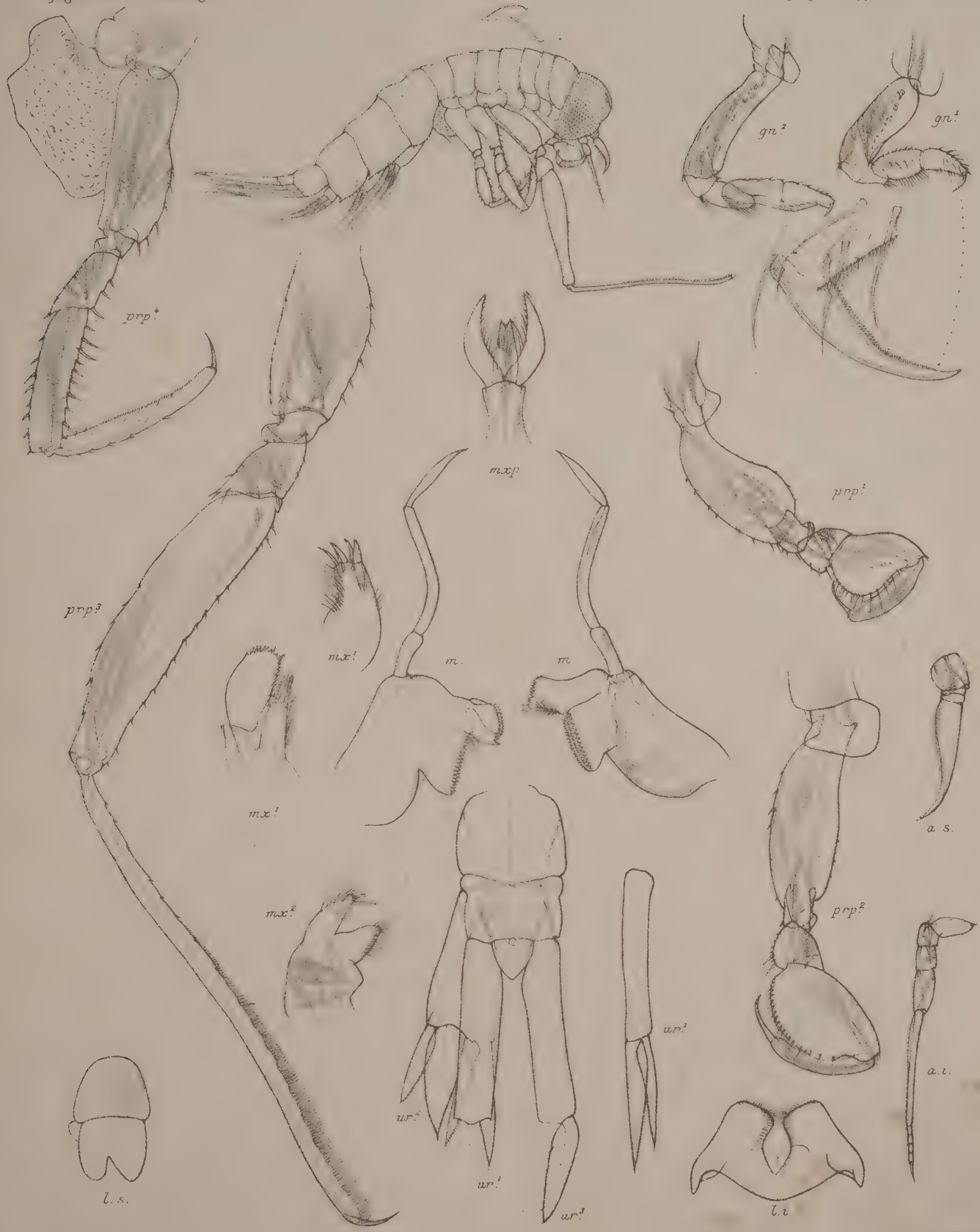
HYPEROCHE CRYPTODACTYLUS, n. sp.



T.R.R. Stebbing del.

J.T. Rennie Reid, lith. Edin.r

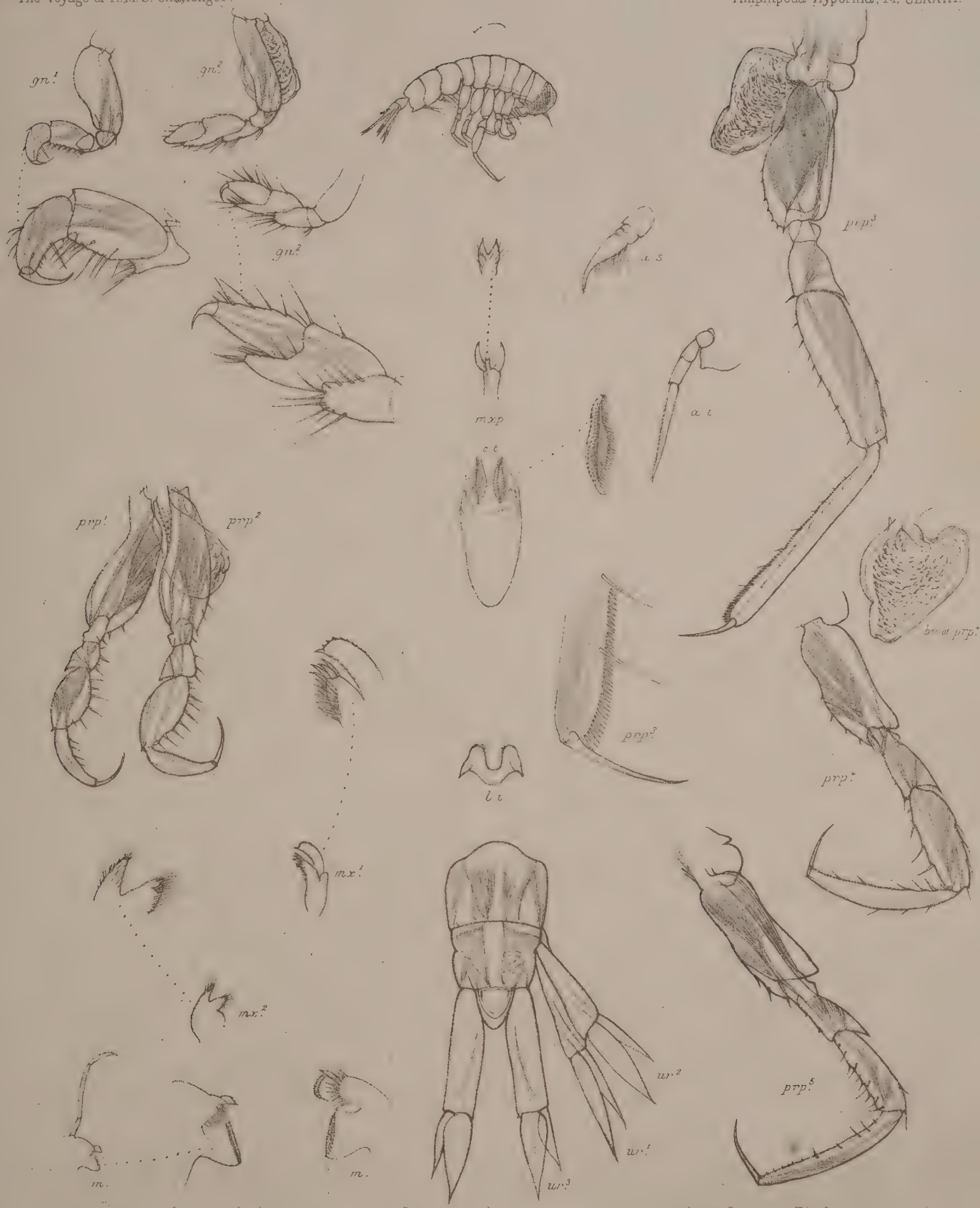
HYPERIELLA DILATATA, n. sp.



T.R.R. Stebbing, del.

J. T. Rennie Revd. lith. Edin.

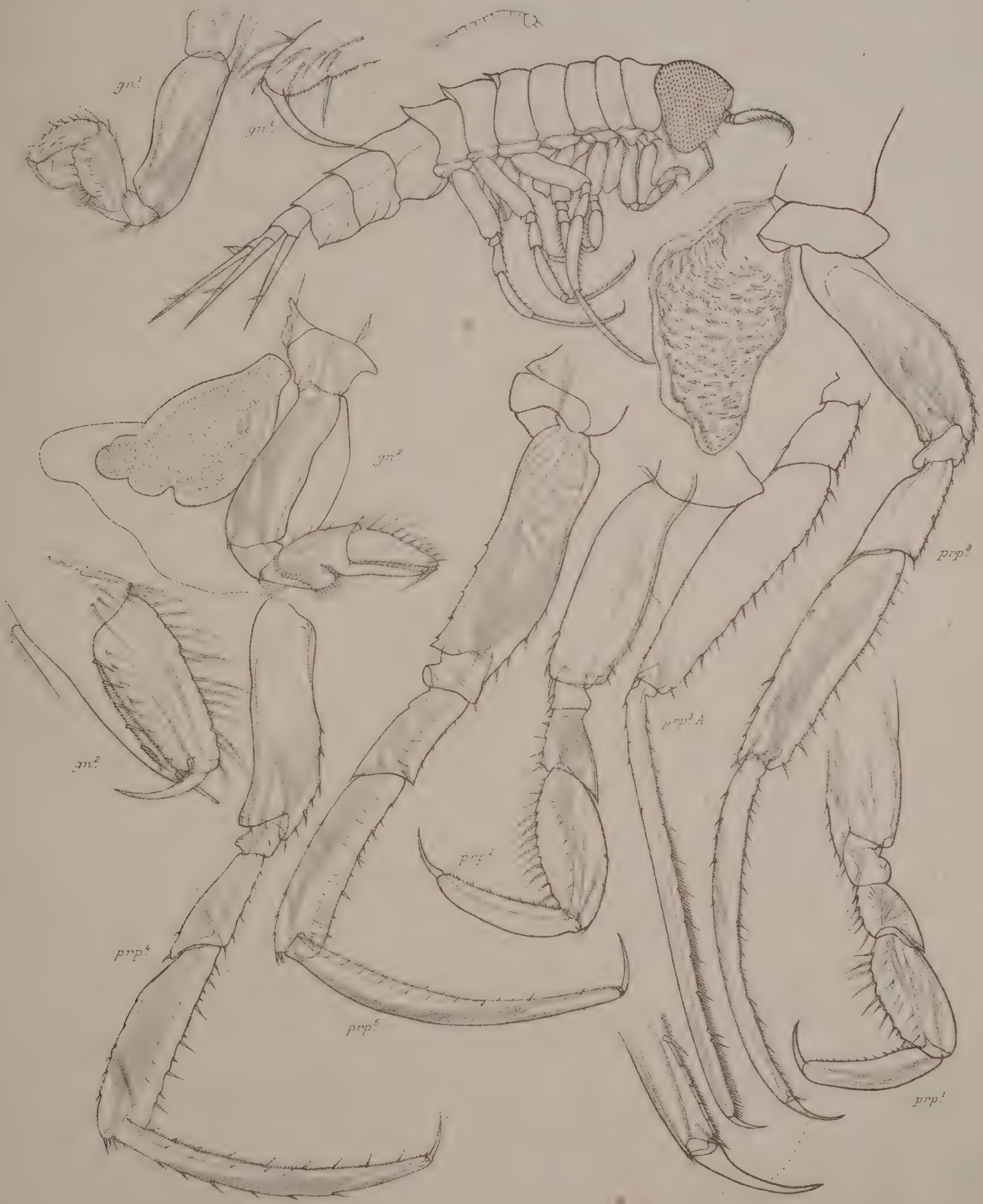
EUTHEMISTO GAUDICHAUDII, (Guérin).



T.R.R. Stebbing, del.

J.T. Rennie Regd. lith. Edin.

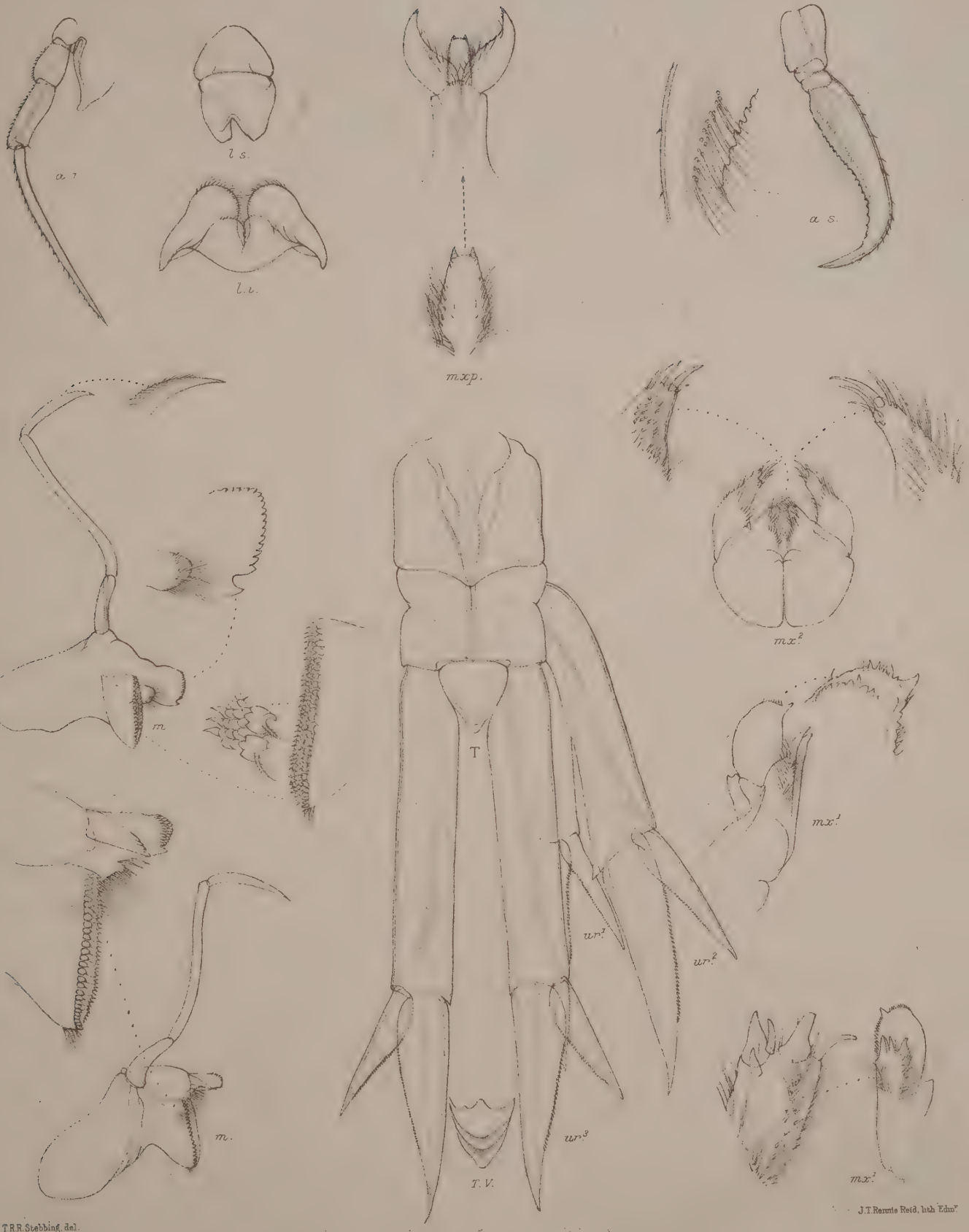
EUTHEMISTO GAUDICHAUDII, Guérin.



T.R.R.Stebbing, del.

J.T.Rennie Reid, lith Edin.r

EUTHEMISTO THOMSONI, n.n.



T.R.R.Stebbing, del.

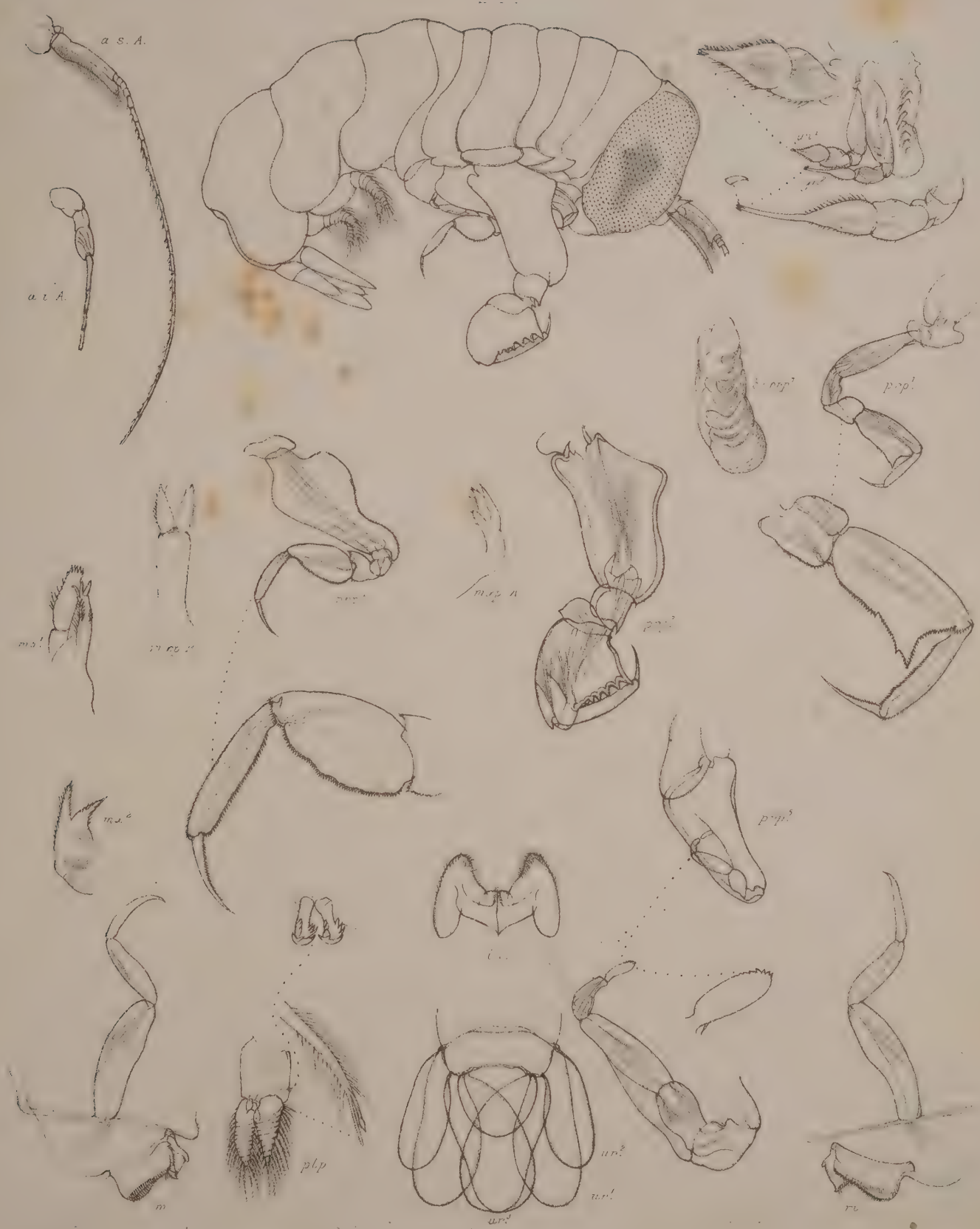
J.T.Rennie Reid, lith. Edin.

EUTHEMISTO THOMSONI, n.n.

T.R.P. Stebbing del.

Reid & Cowie, Lith. Edinr.

PHROSINA SEMILUNATA. Risso.


a s. A.
a i. A.
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p.rp.¹
p.rp.²
p.rp.³
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m.rp. DCCCCCCXLIII
m.rp. DCCCCCCXLIV
m.rp. DCCCCCCXLV
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m.rp. DCCCCCCL
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m.rp. DCCCCCCCXXXI
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m.rp. DCCCCCCCXXXIII
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m.rp. DCCCCCCCXXXV
m.rp. DCCCCCCCXXXVI
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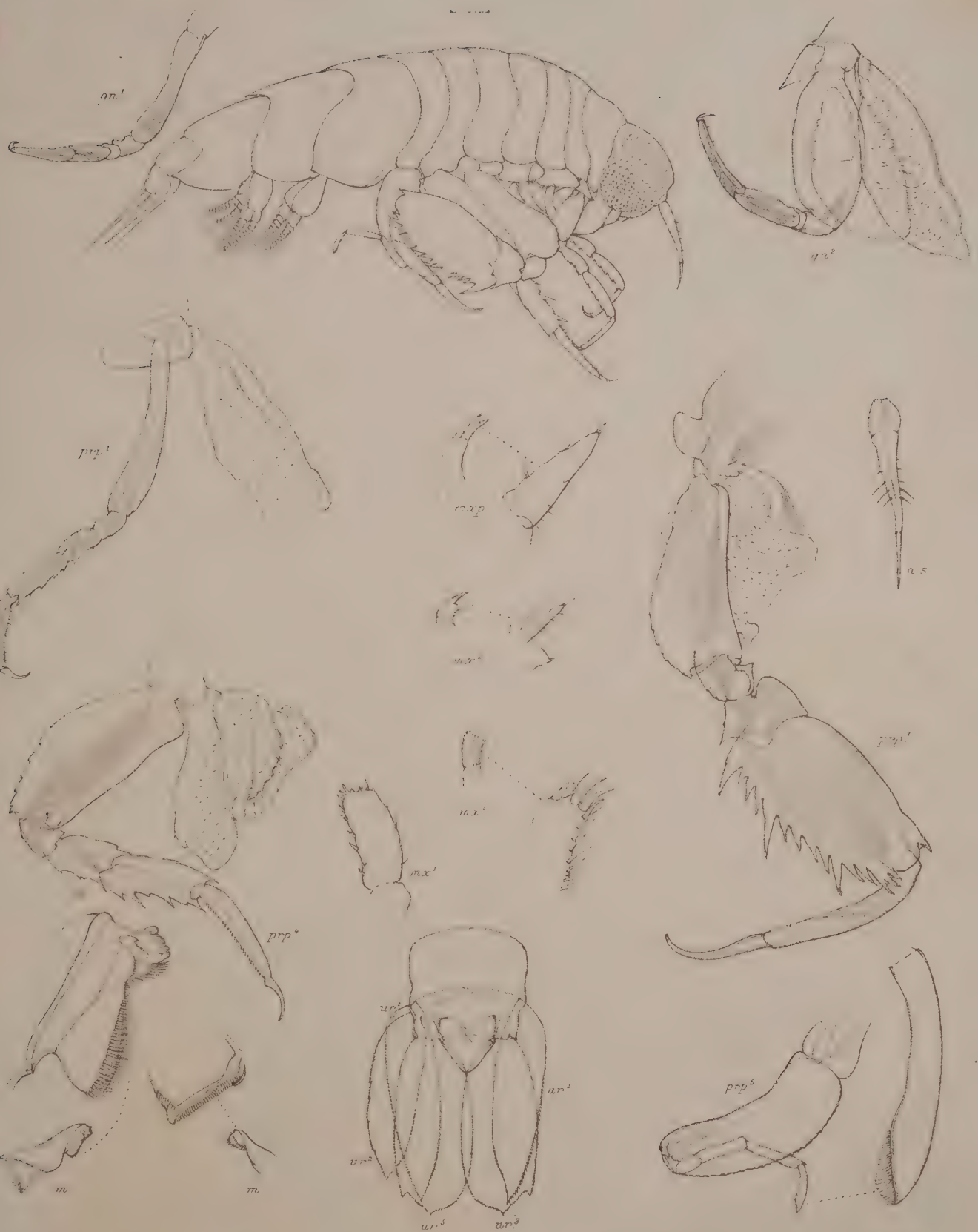
m.rp. DCCCCCCCXLI
m.rp

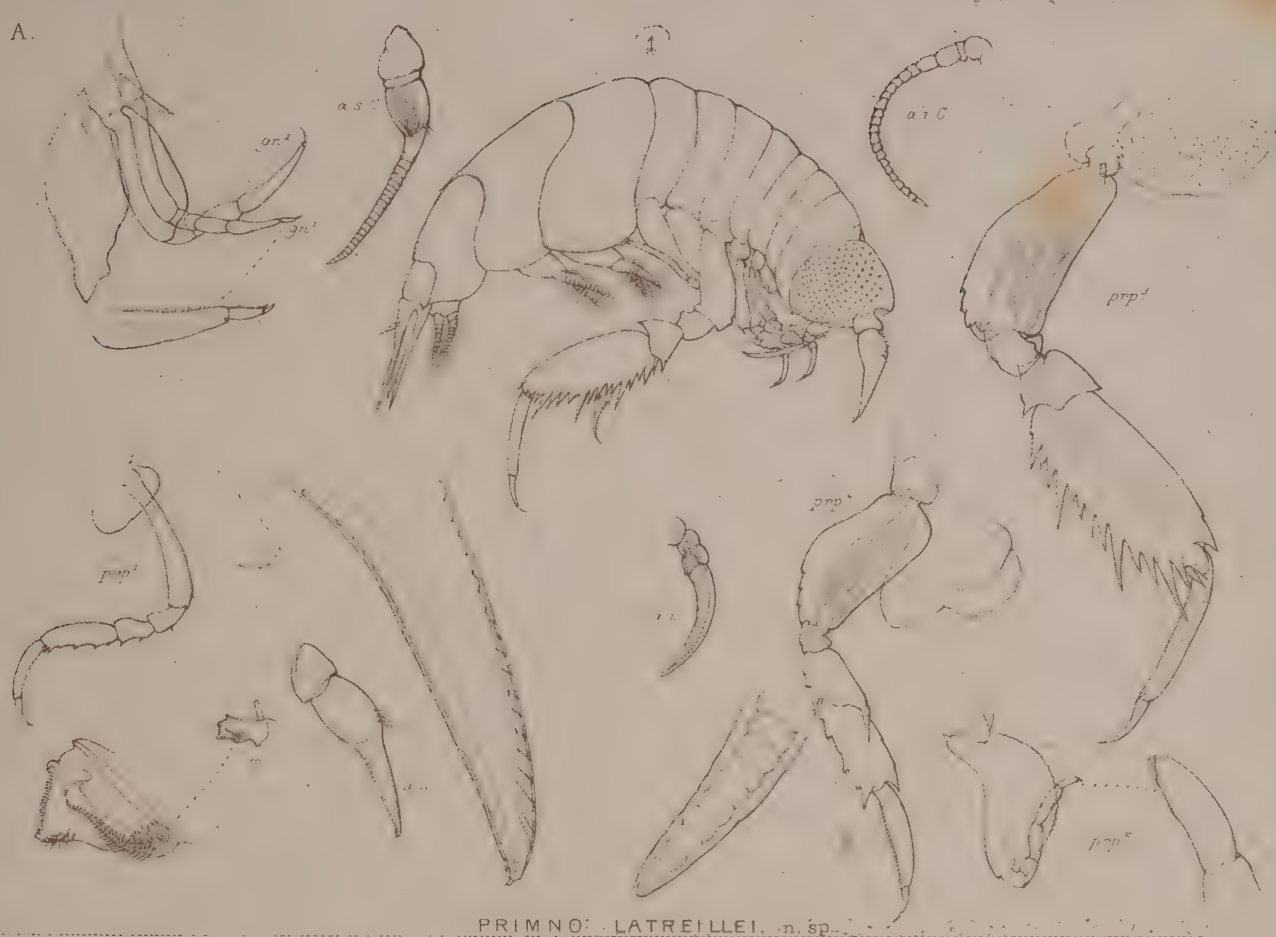


T.R.R Stebbing. del.

Rand & Covins, Lith. Edin.

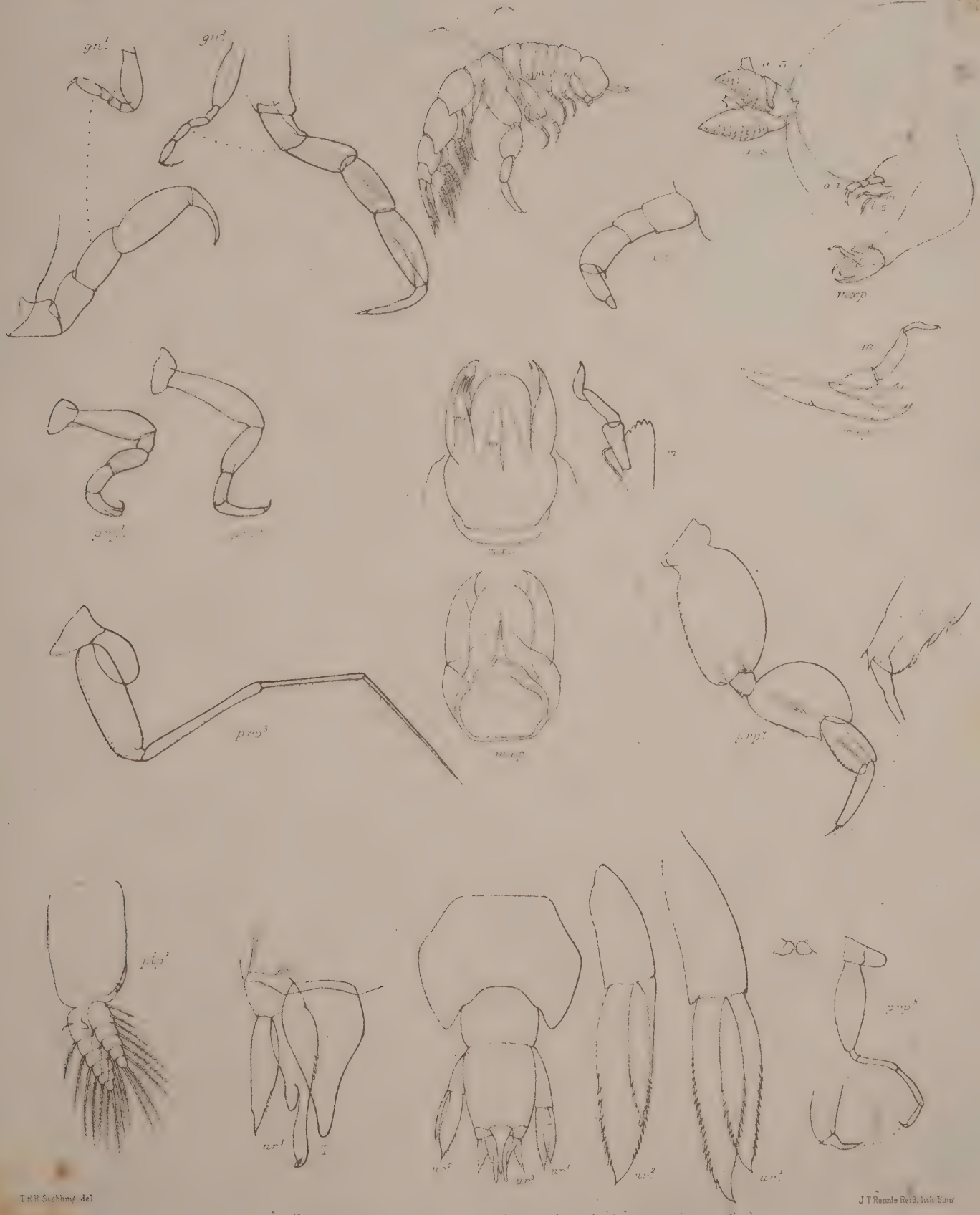
PRIMNO MACROPA, Guérin.

A.


1
a s
a i C
prp¹
prp²
prp³
prp⁴
prp⁵
PRIMNO LATREILLEI, n. sp.

B.

prp¹
prp²
prp³
prp⁴
prp⁵
a s
gn¹
gn²
PRIMNO MENEVILLEI, n. sp.



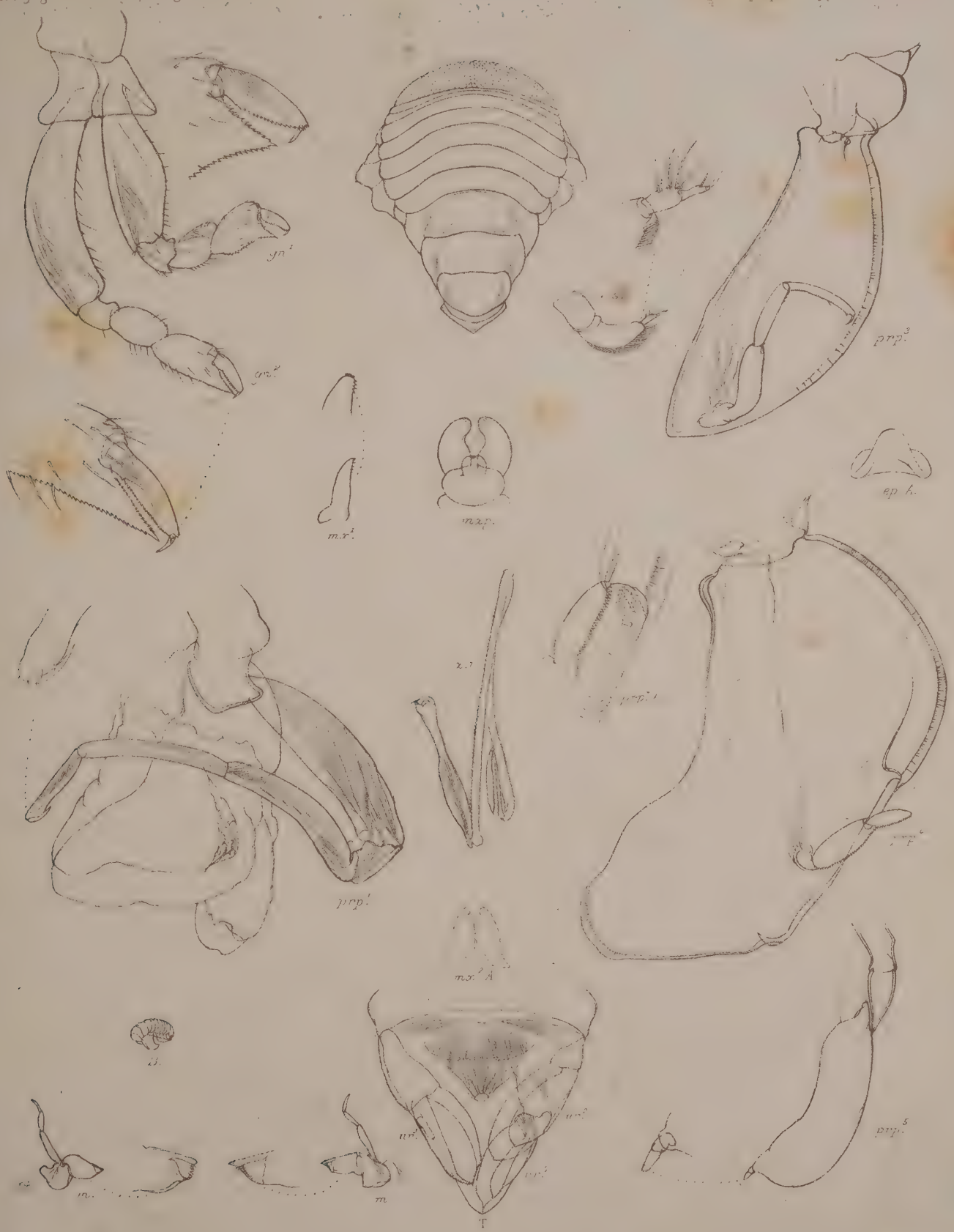
T H R Stebbing del

PHORCORRHAPHIS ZAMBOANGÆ, n. sp.

T.R.R.Stebbing, del.

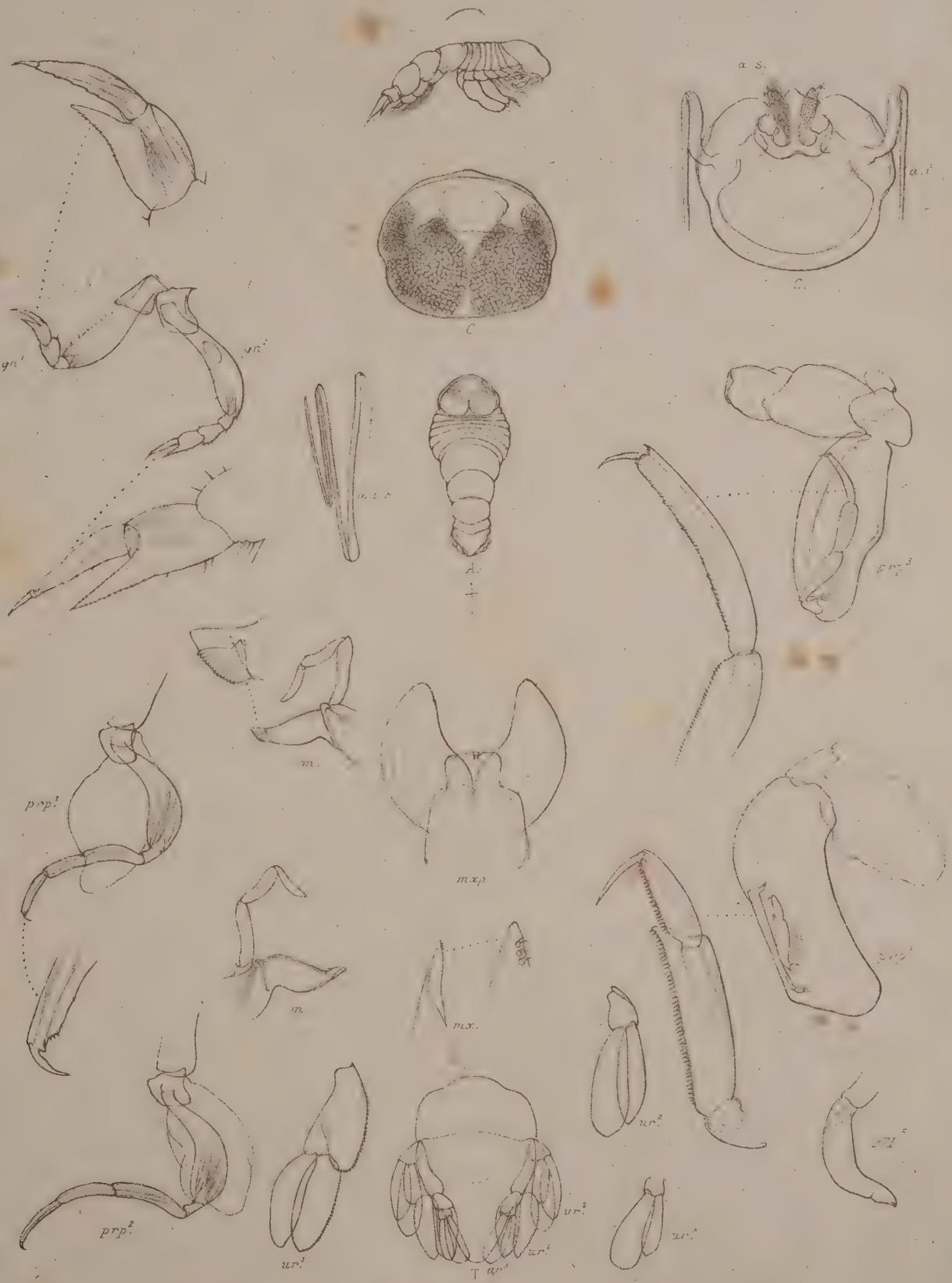
J.T.Rennie Reprd, high Edinr.

PHORCORRHAPHIS EDWARDSI, n. sp.



T.R.H. Stebbing, del.

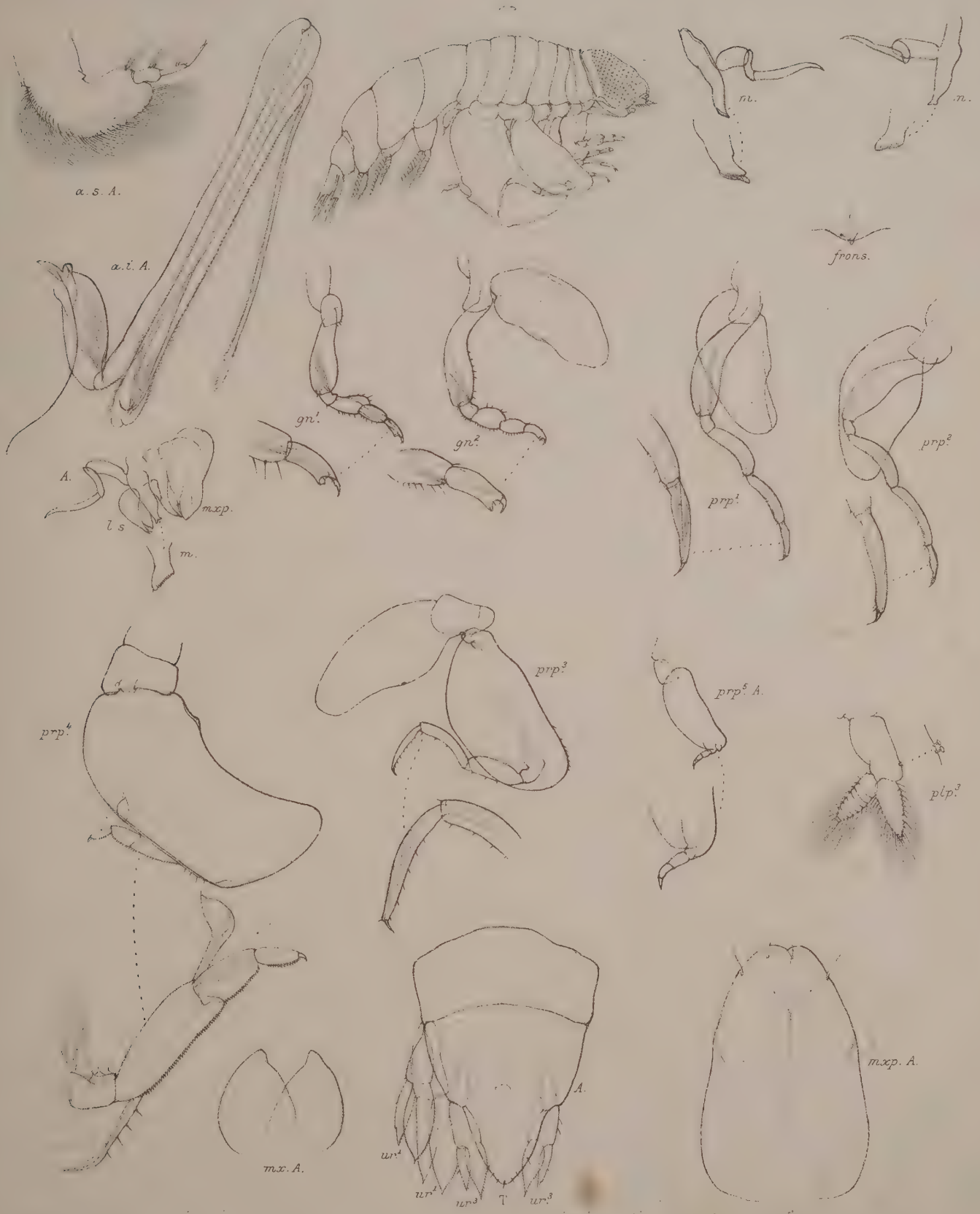
PLATYSCELUS ARMATUS (Claus).



TRR Stebbing del

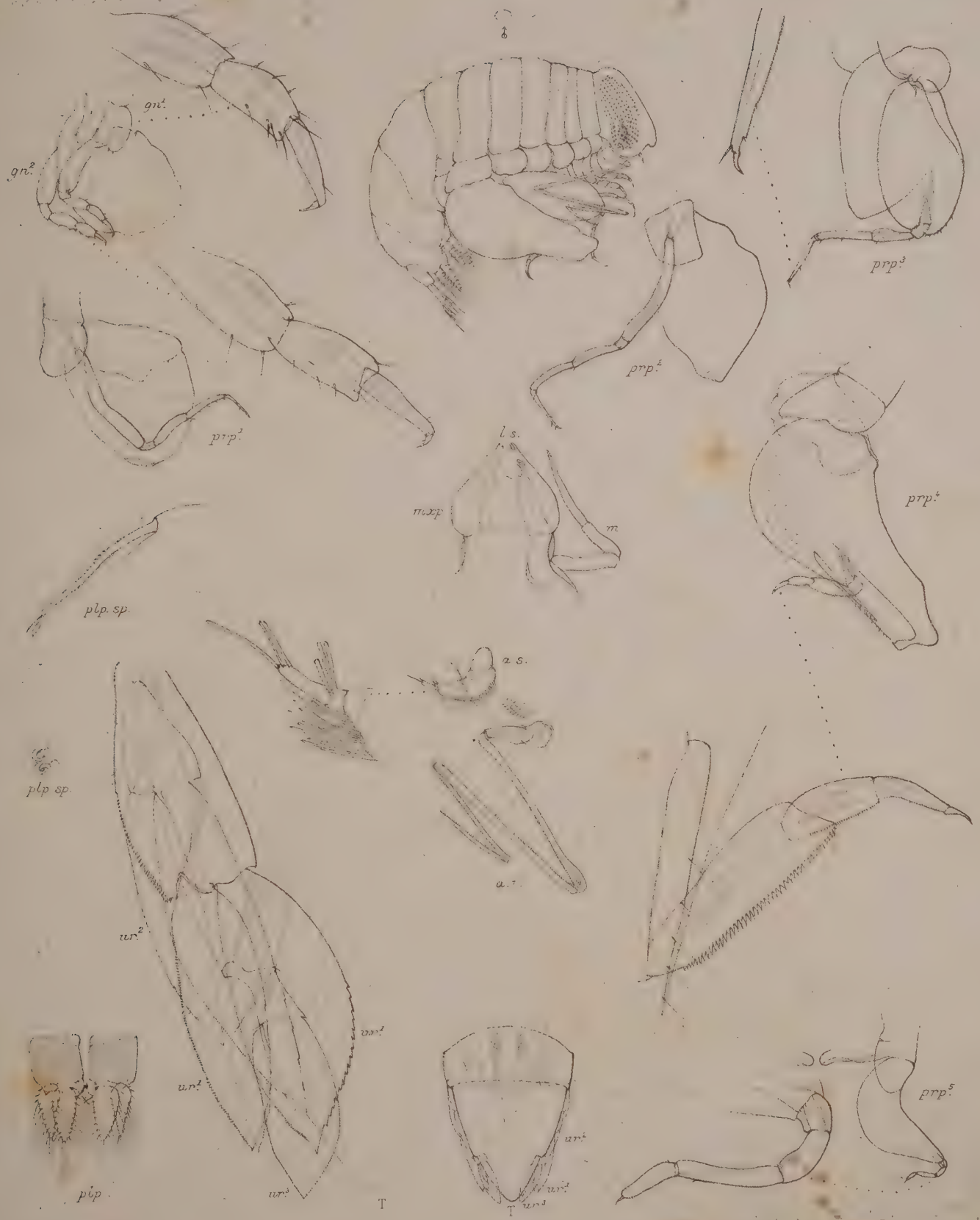
Reid & Comie, Lith. Edin.

HEMITYPHIS TENUIMANUS, Claus.



T.R.R.Stebbing, del. J.T.Rennie Reid, lith. Edin.

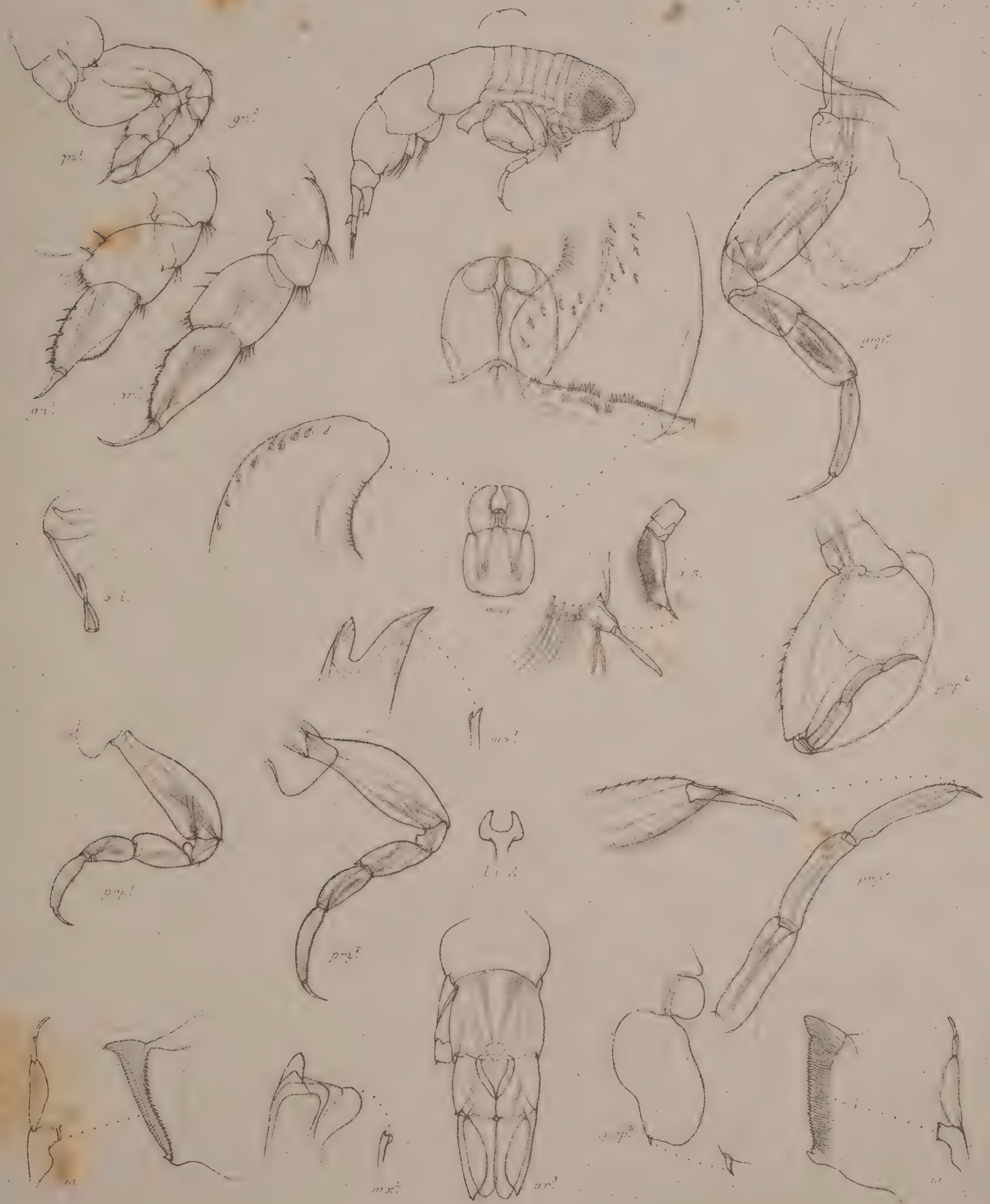
TETRATHYRUS MONCŒURI, n. sp.



T.R.R. Stebbing del.

J.T. Rennie Reid, lith. Edin.ʳ

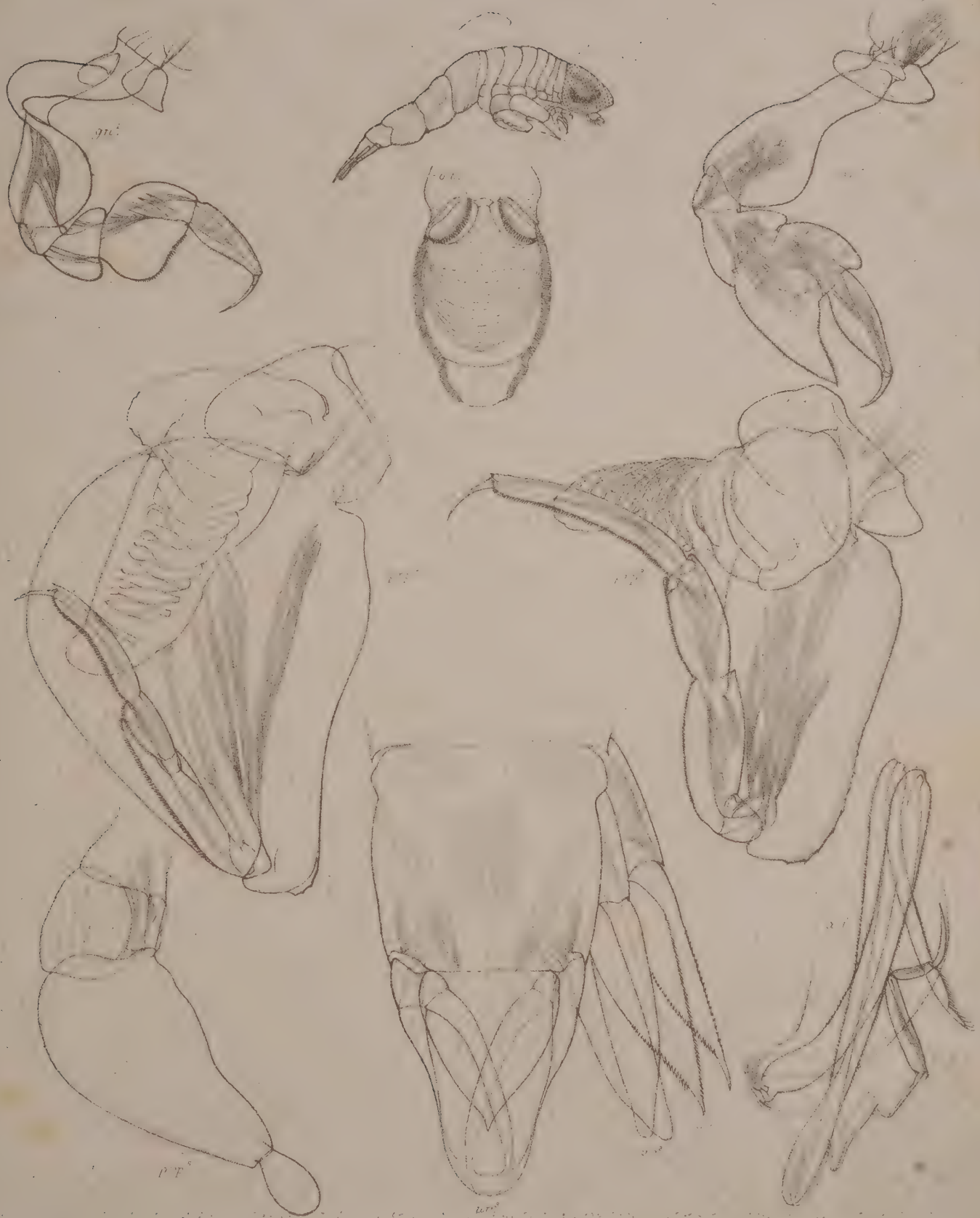
PARASCELUS ZEBU, n. sp.



TRR Stebbing del

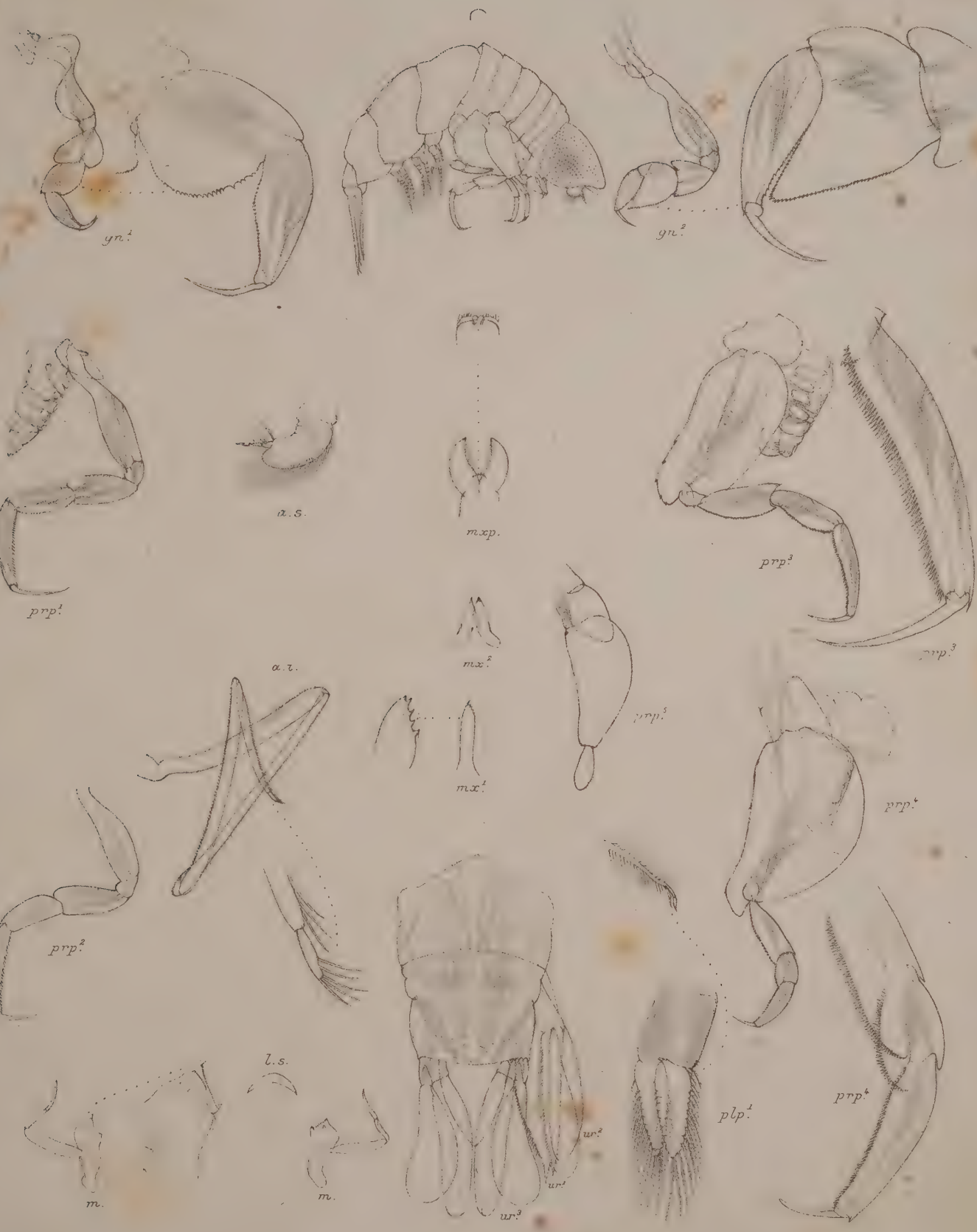
J.T.Rengis Reid, lith. Edin.

PRONOE CAPITO, Guérin.



T.R.R. Stebbing, del. J.T. Rennie Reid, lith Edin^r

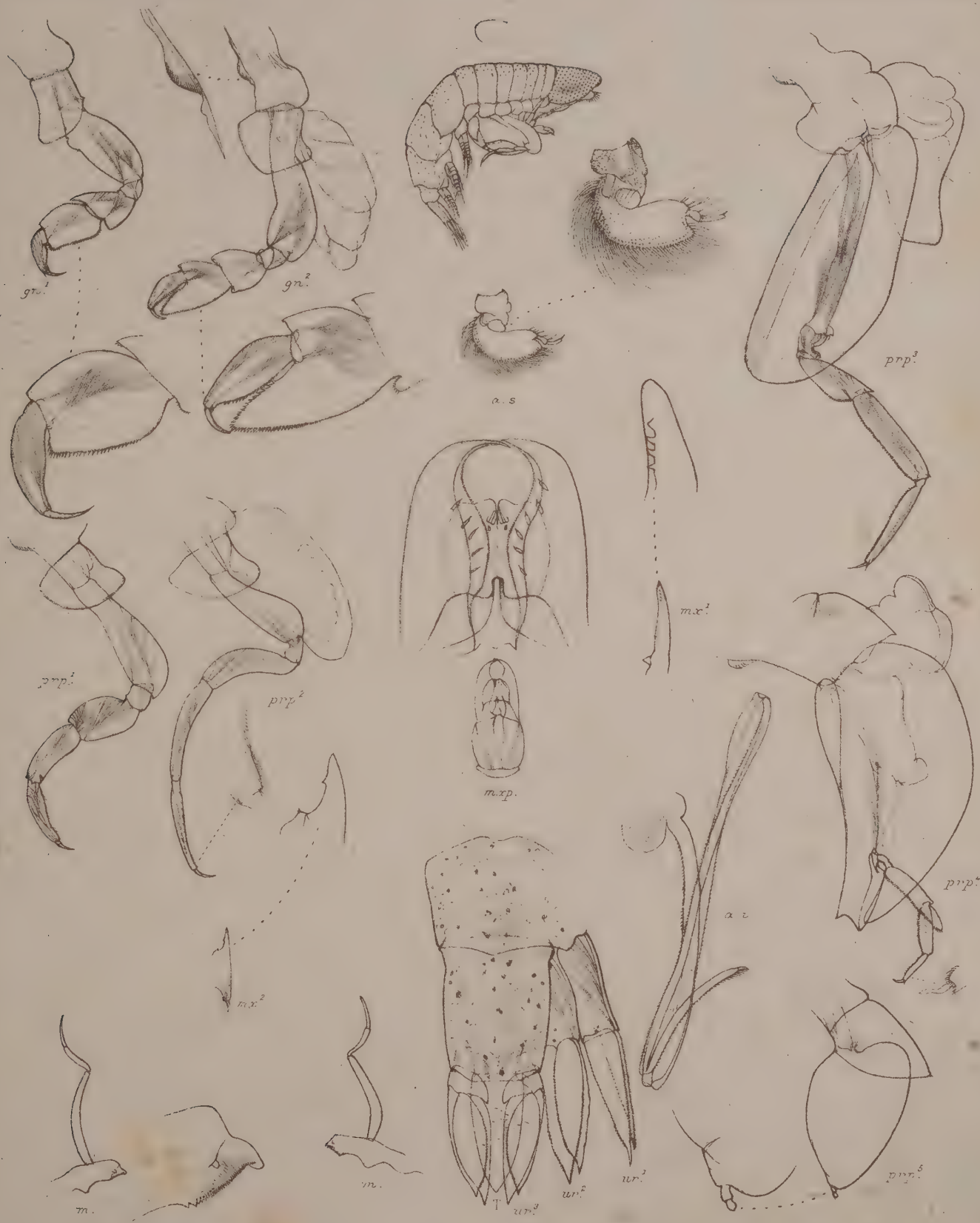
EUPRONOE INSCRIPTA.



T.R.R. Stebbing, del.

J.T. Rennie Reid, lith. Edin.r

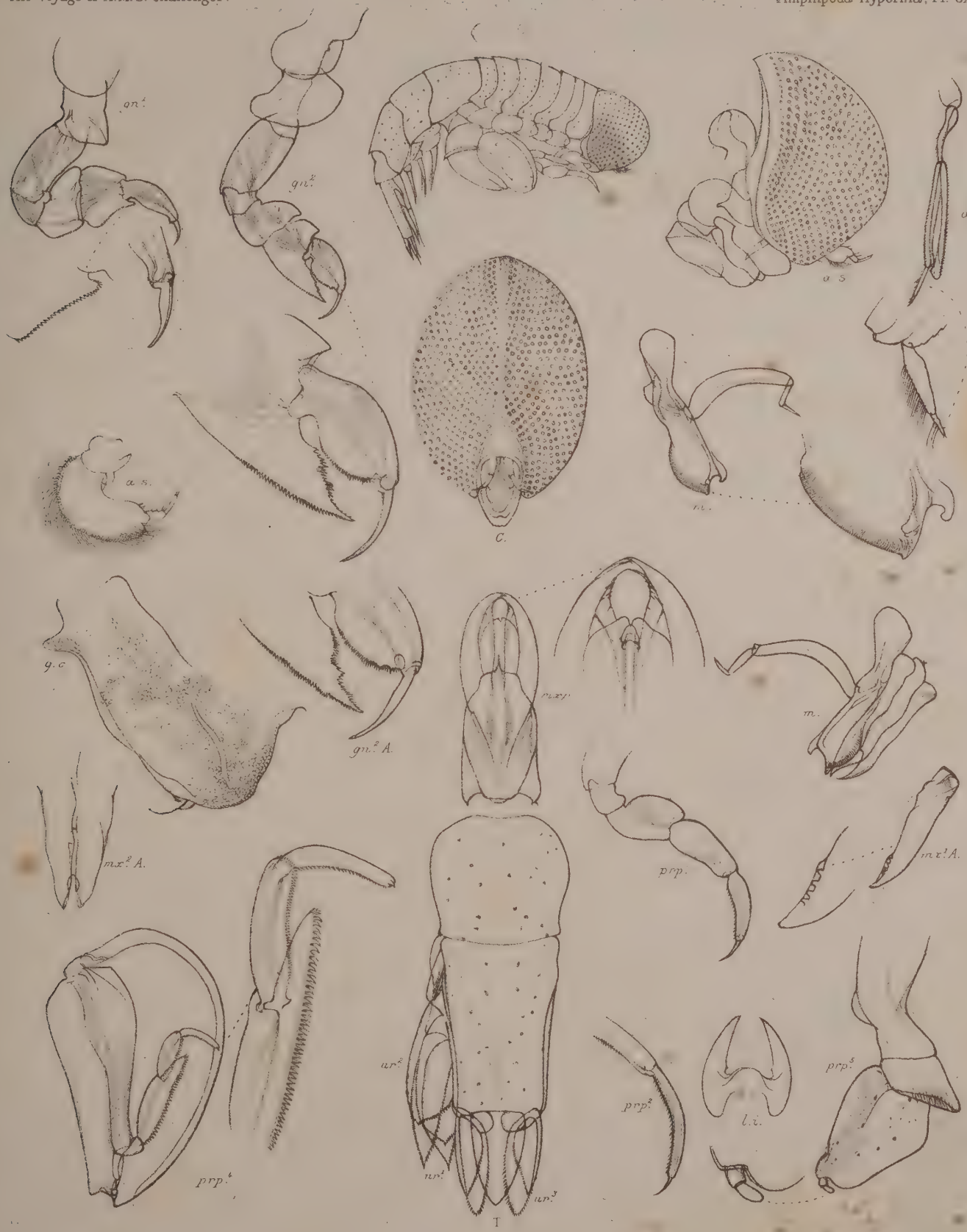
EUPRONOË INTERMEDIA, n. sp.



T.R.R.Stebbing del.

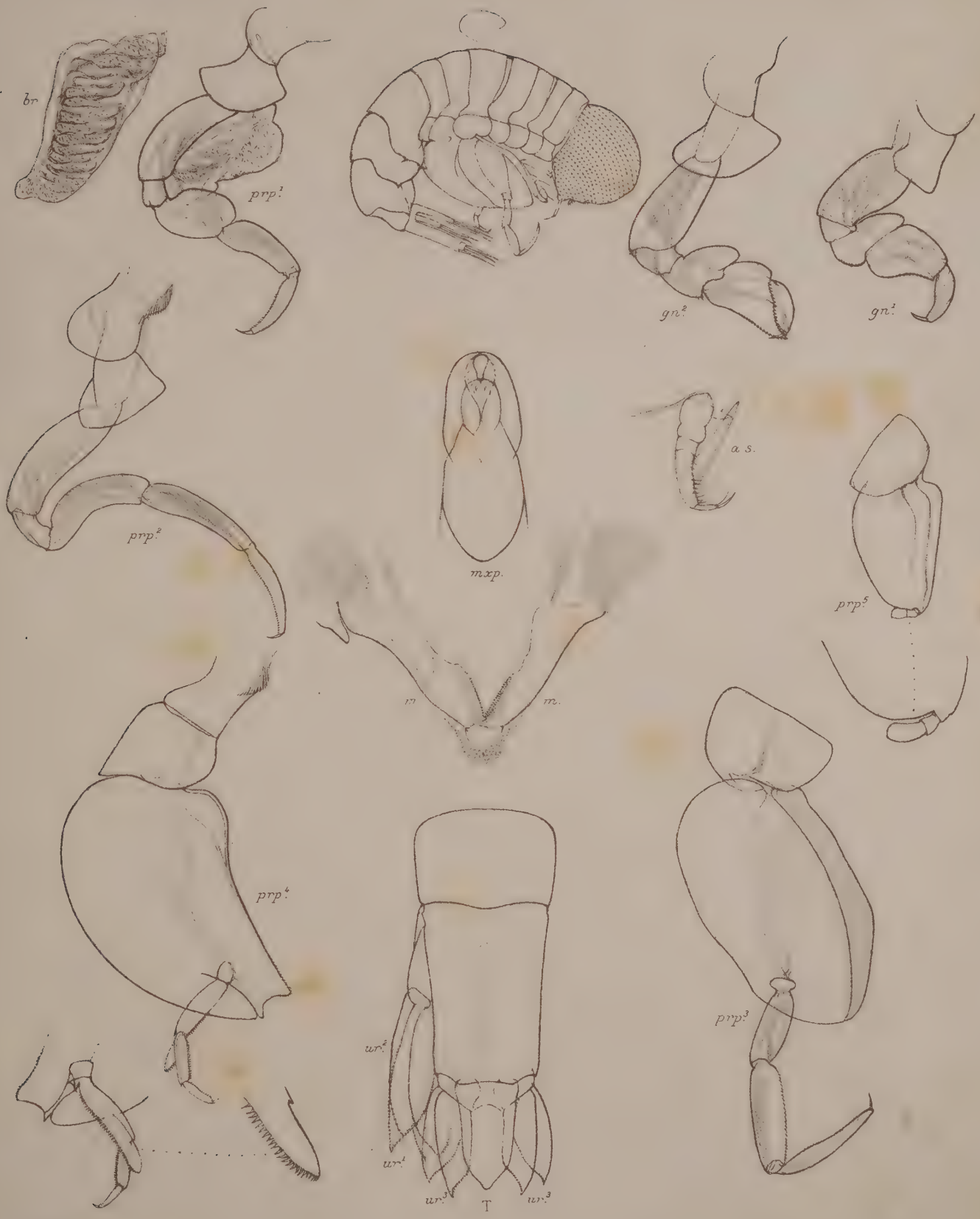
J.T.Rennie Reid, lith. Edin.r

PARAPRONOË CAMPBELLI, n. sp.



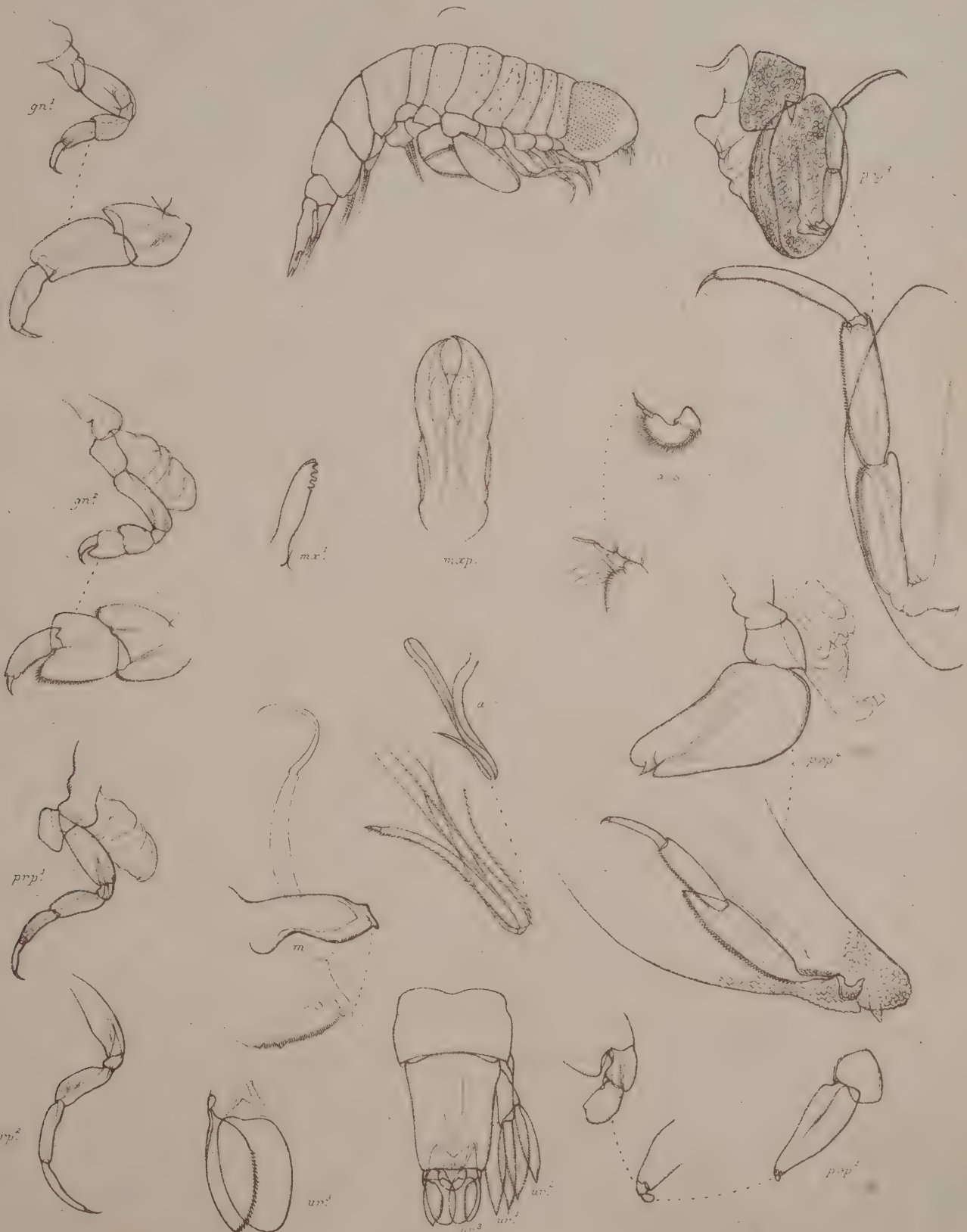
T.R.R. Stebbing, del. J.T. Rennie Reid, lith. Edin.

PARAPRONOË CLAUSI, n. sp.



T.R.R.Stebbing, del. J.T.Rennie Reid, lith. Edin.r

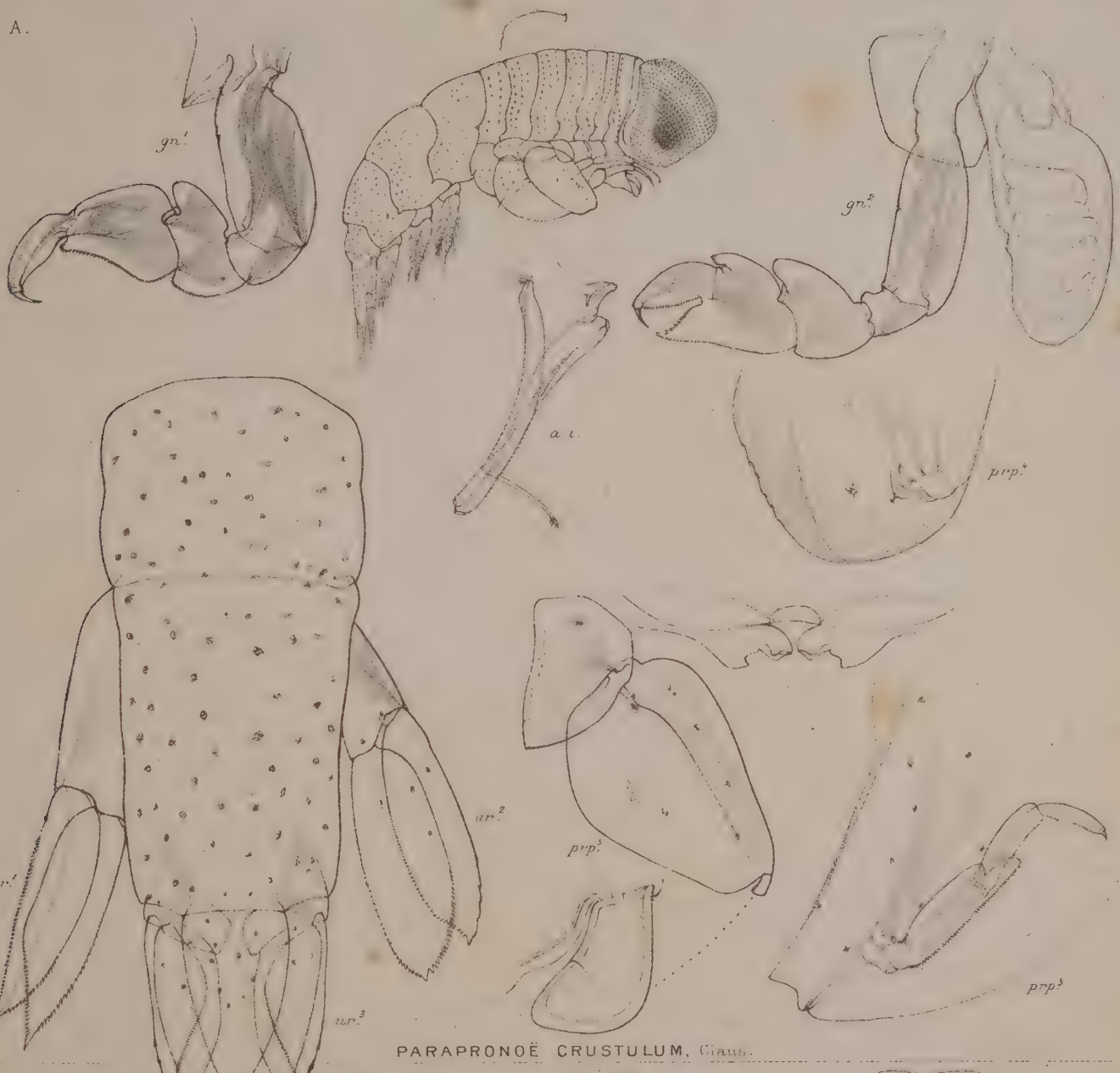
PARAPRONOË CLAUSOIDES, n. sp.



T.R.R. Stebbing, del. J.T. Renine Reid, Lith. Edin.ʳ

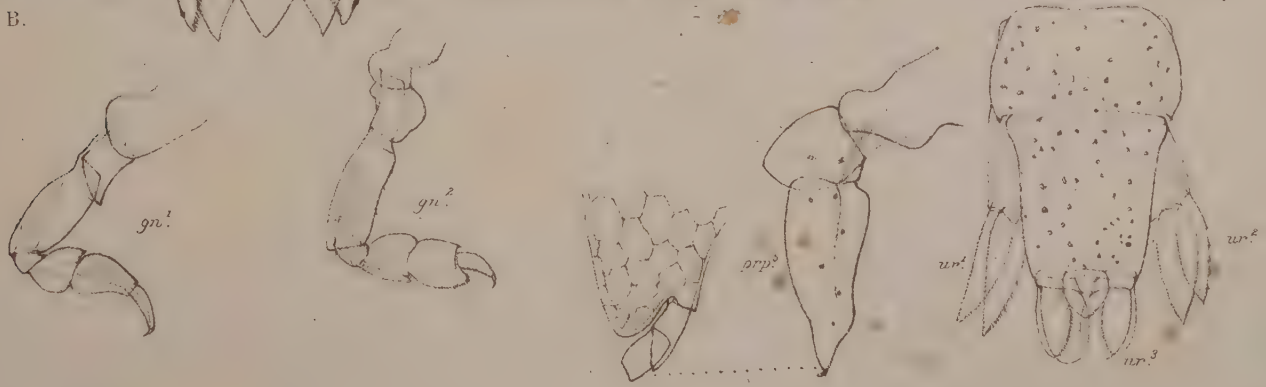
SYMPRONOE PARVA. (Claus).

A.



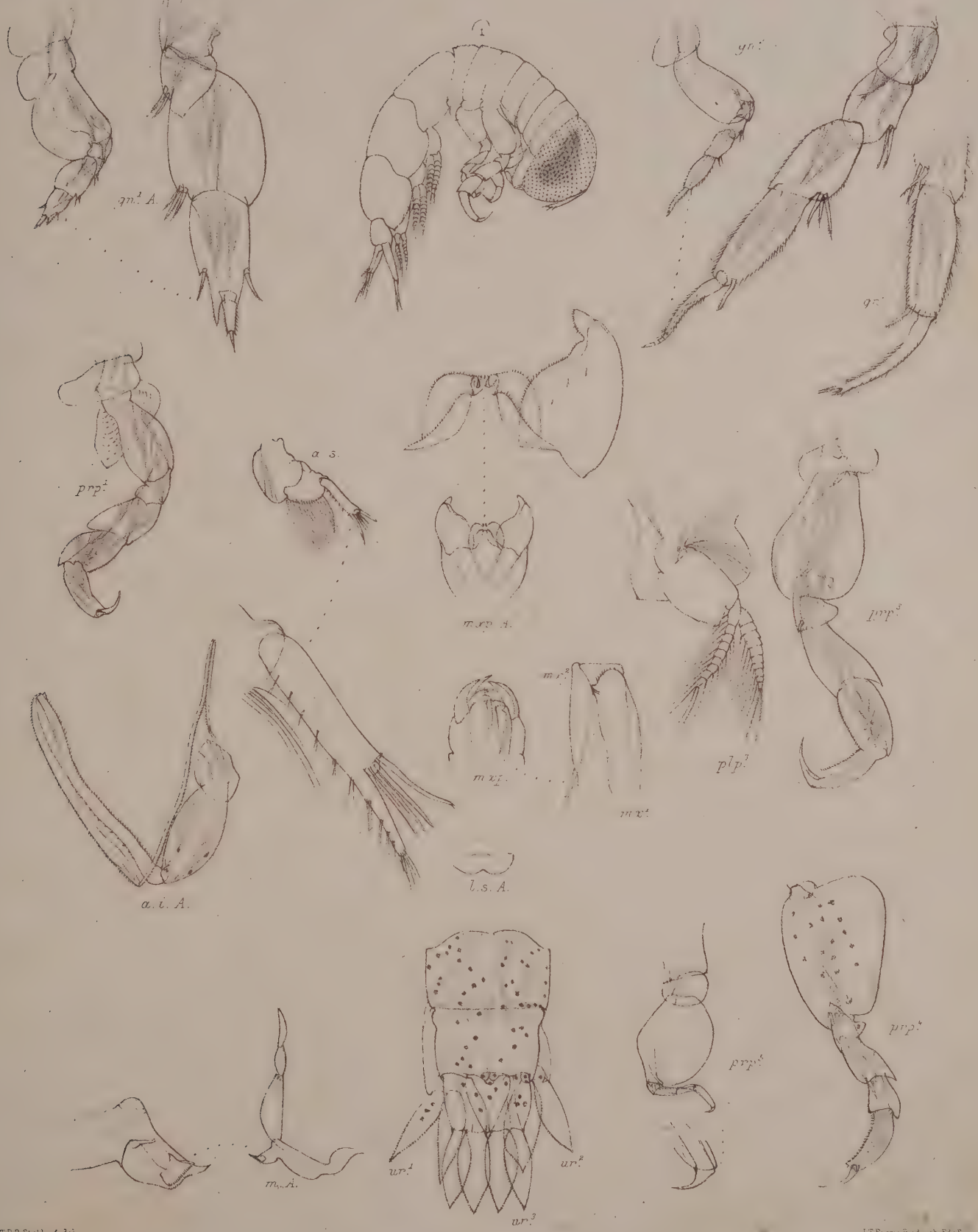
PARAPRONOË CRUSTULUM, Claus.

B.



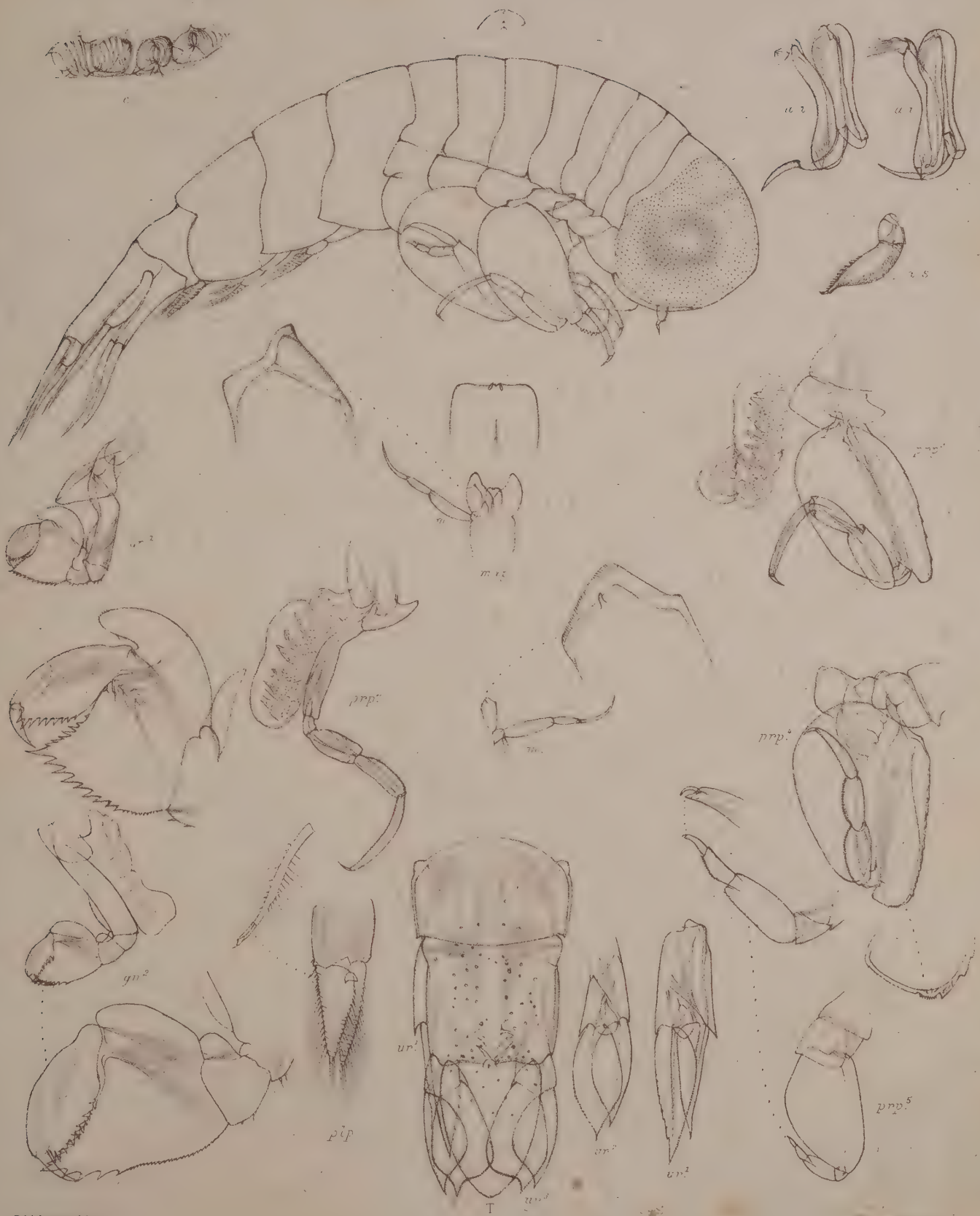
T.R.R. Stebbing, del. J.T. Rennie Revd., lith. Edin.r

SYMPRONOË PROPINQUA, n. sp.



T.R.R. Stebbing del. J.T. Renme Reid ...ch Edin.

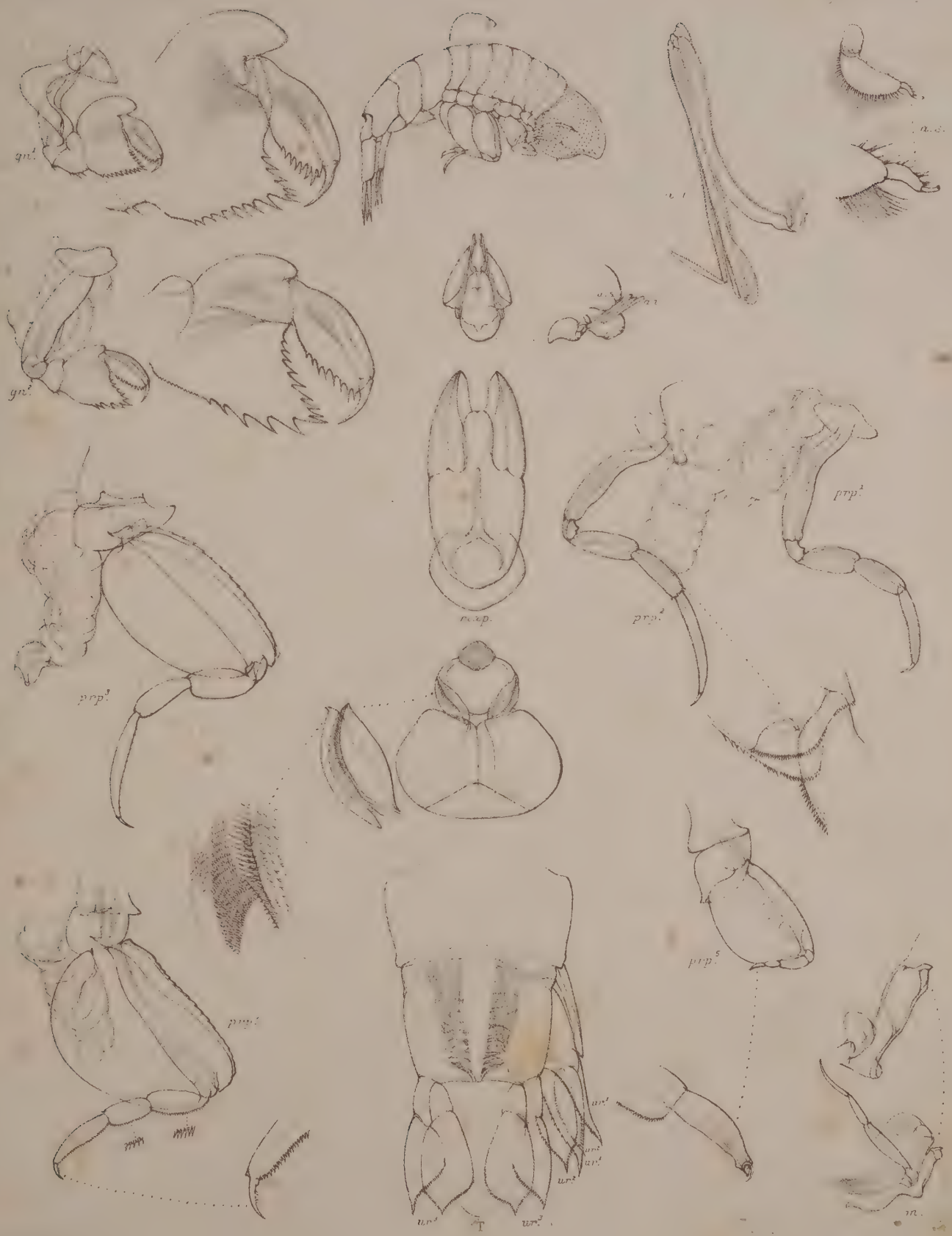
TRYPHANA BOECKI, n. sp.



BRACHYSCELUS CRUSCULUM, Spence Bate.

T. & R. Stetson, del.

J. T. Reuna Reid, lith. Edin.



T.R.R. Stebbing, del.

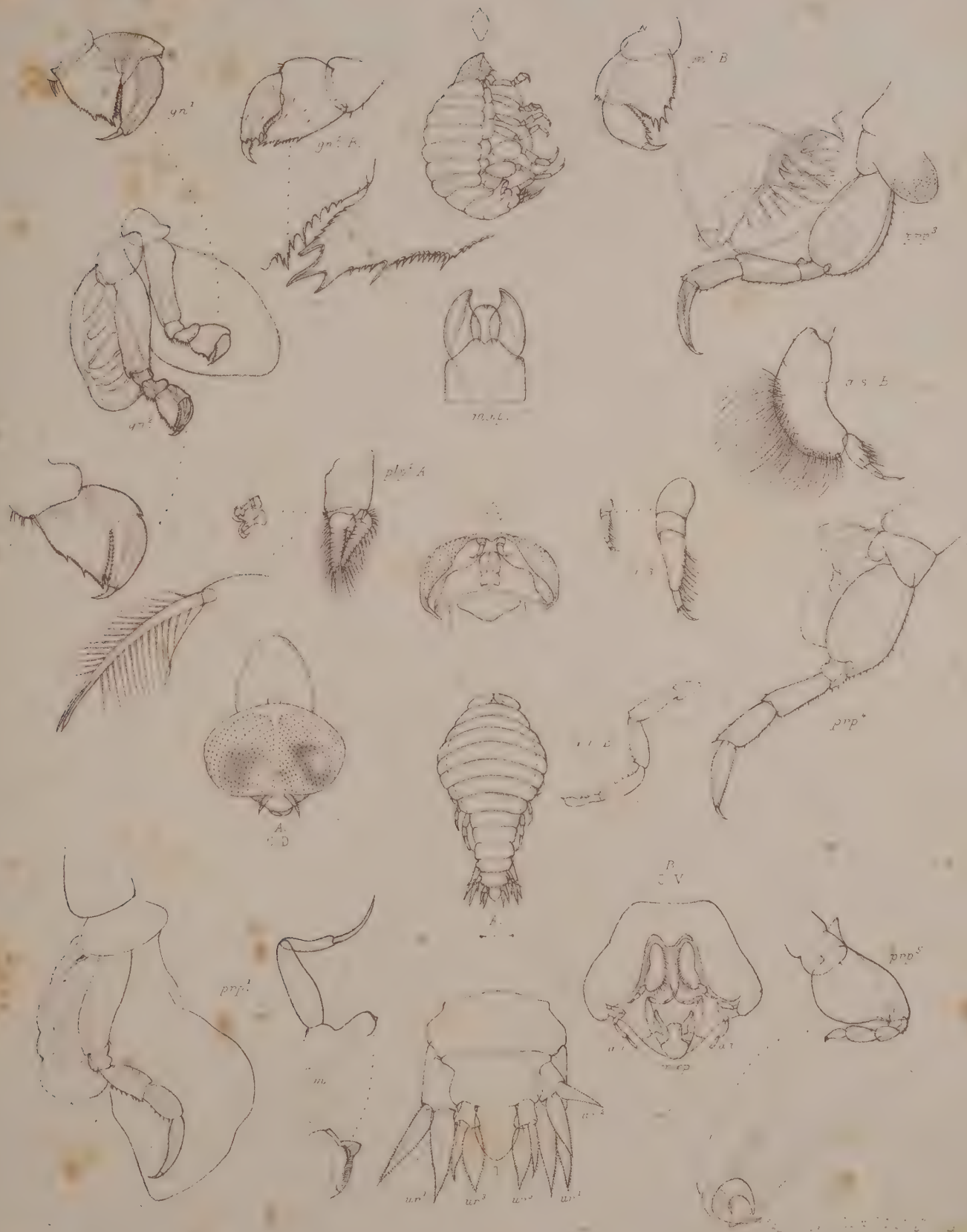
Read & Cowie, Lith. Edin.

BRACHYSCELUS CRUSCULUM, Spence Bate.

BRACHYSCELUS BOVALLII, n. sp.

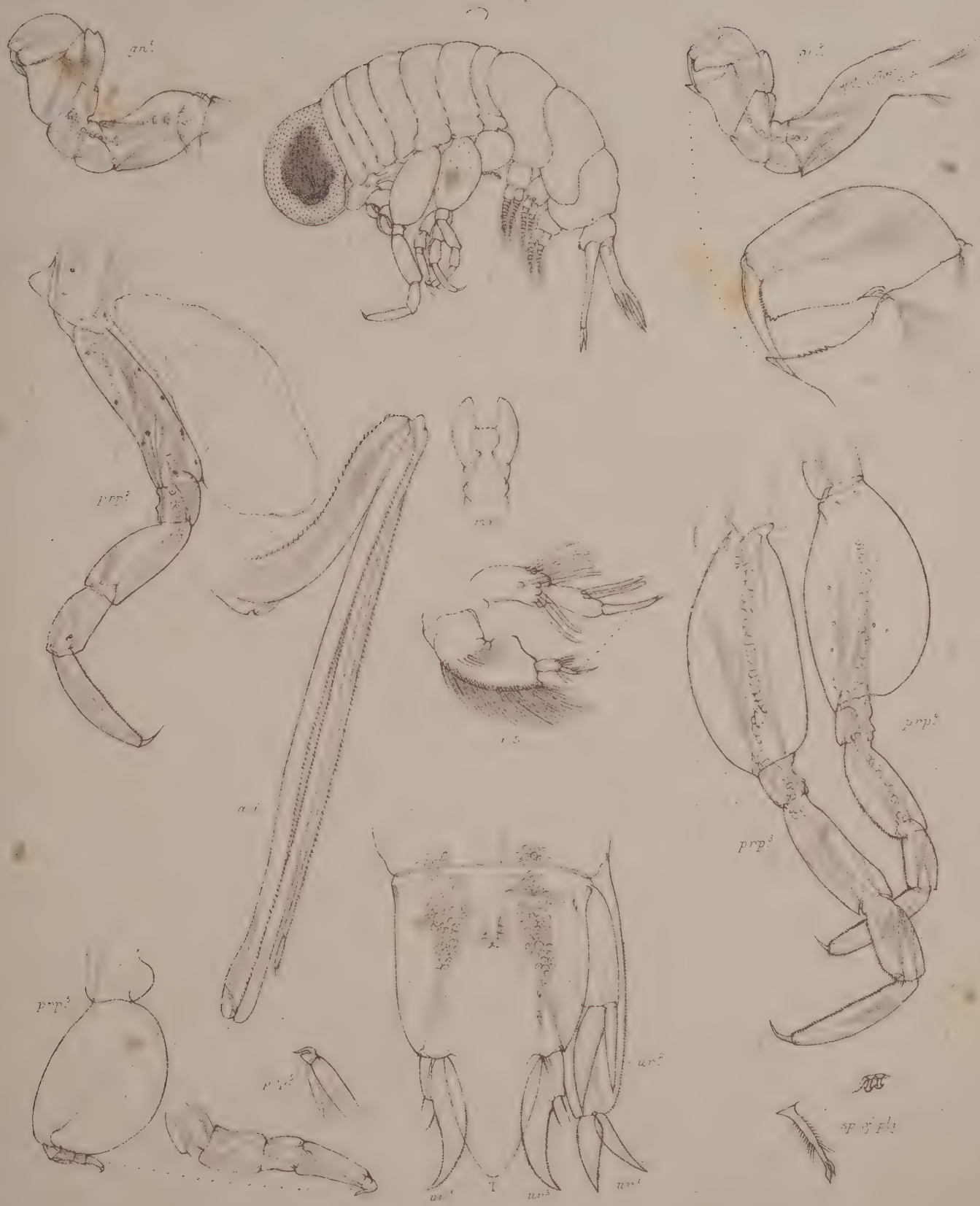
BRACHYSCELUS LATIPES, n. sp.

BRACHYSCELUS ACUTICAUDATUS, n. sp.



T.R.Stebbing, del. J.T.Rennie Read. lith. Edin.

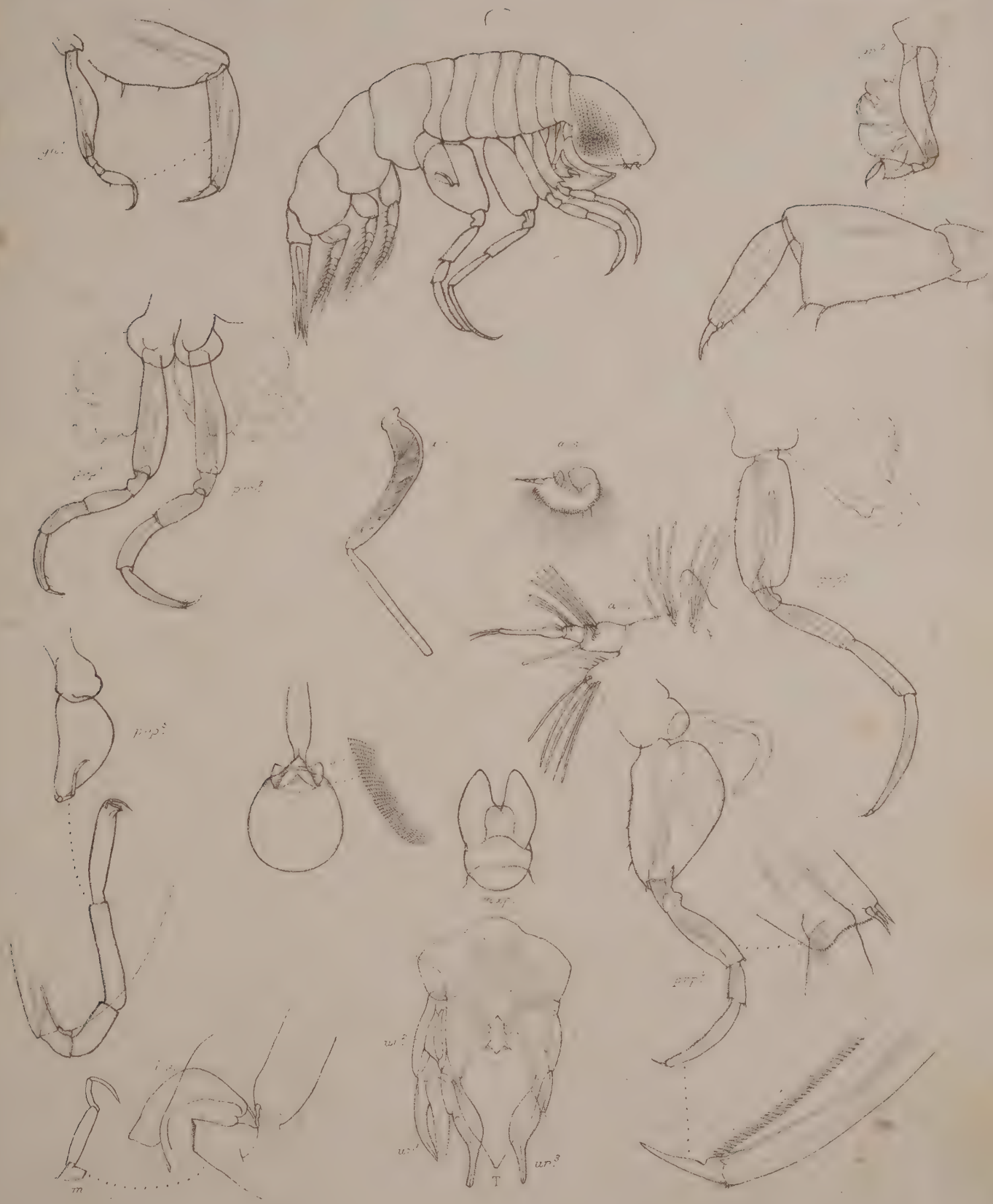
THAMNEUS PLATYRRHYNCHUS, n. sp.



T.R.R.Stebbing del.

J.T.Rennie Reid, lith Edin^r

LYCÆA VINCENTII, n. sp.



T.R.R.Stebbing, del.

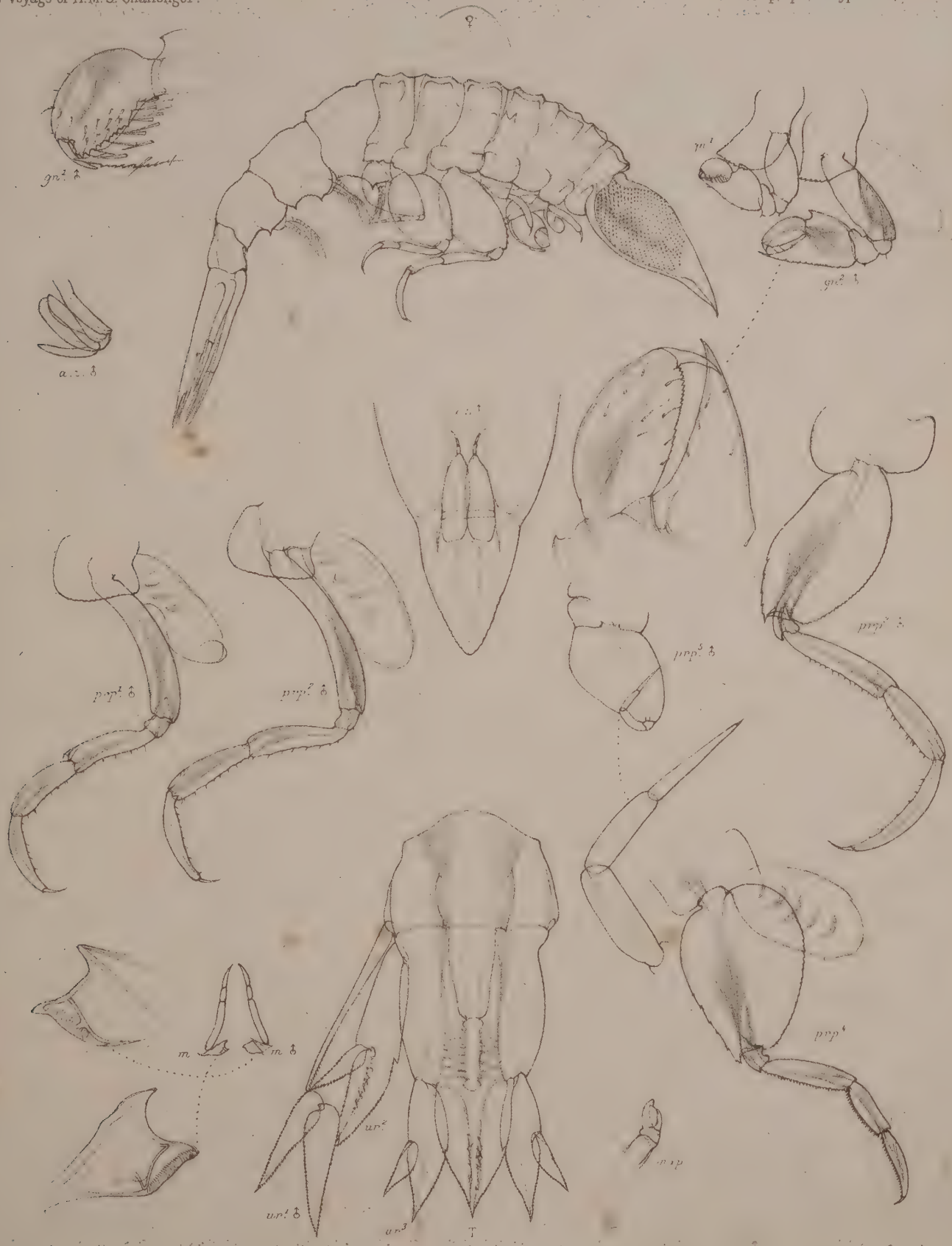
J.T.Reynte Reid, Lith Edin.

SIMORHYNCHOTUS ANTENNARIUS. (C[illegible])

T.R.R.Stebbing del.

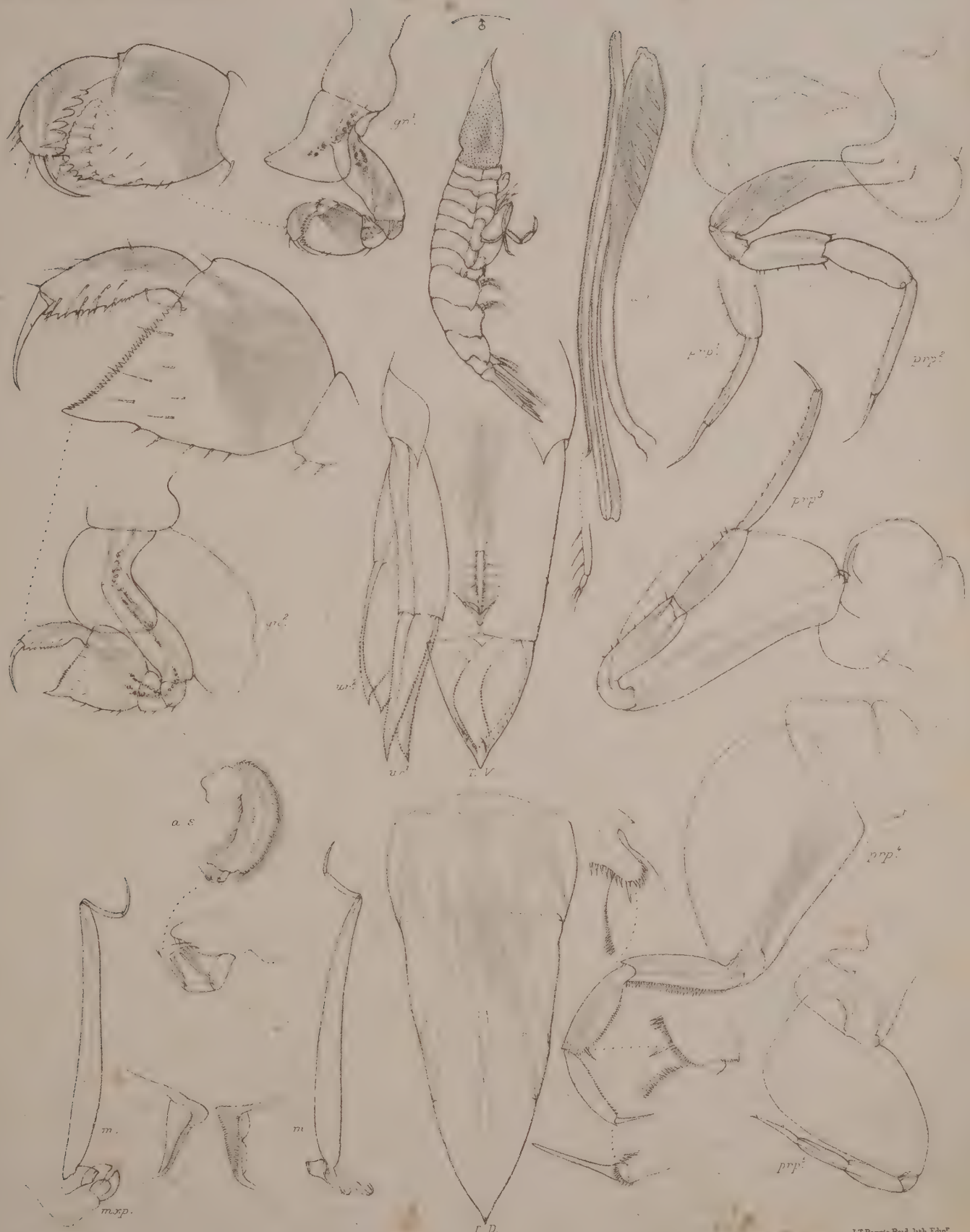
Reid & Cowie, lith. Edin.

OXYCEPHALUS CLAUSI, Bovallius



T.R.R. Stebbing, del. Reid & Cowie, Lith. Edin.

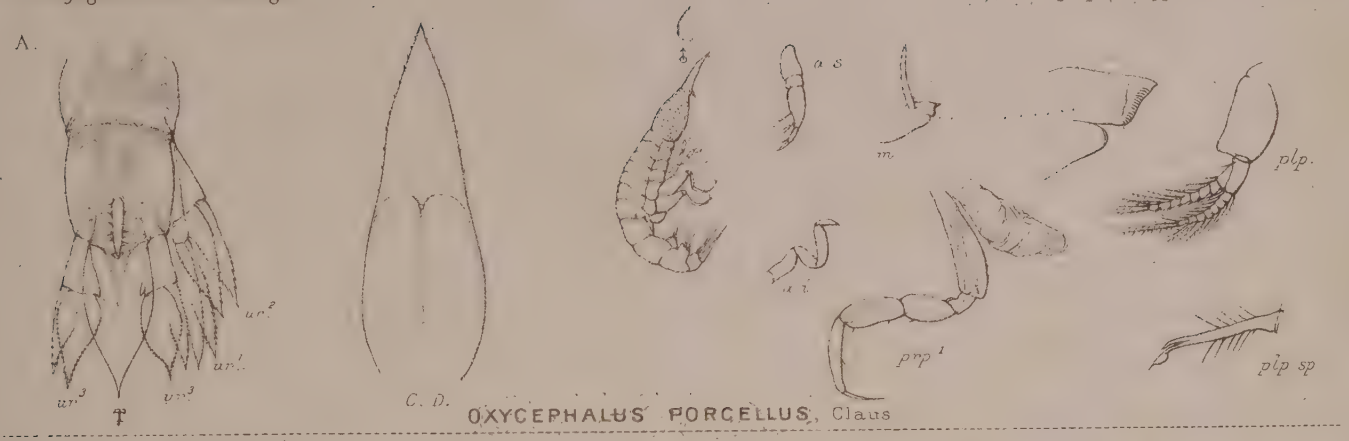
OXYCEPHALUS CLAUSI, Bovallius.



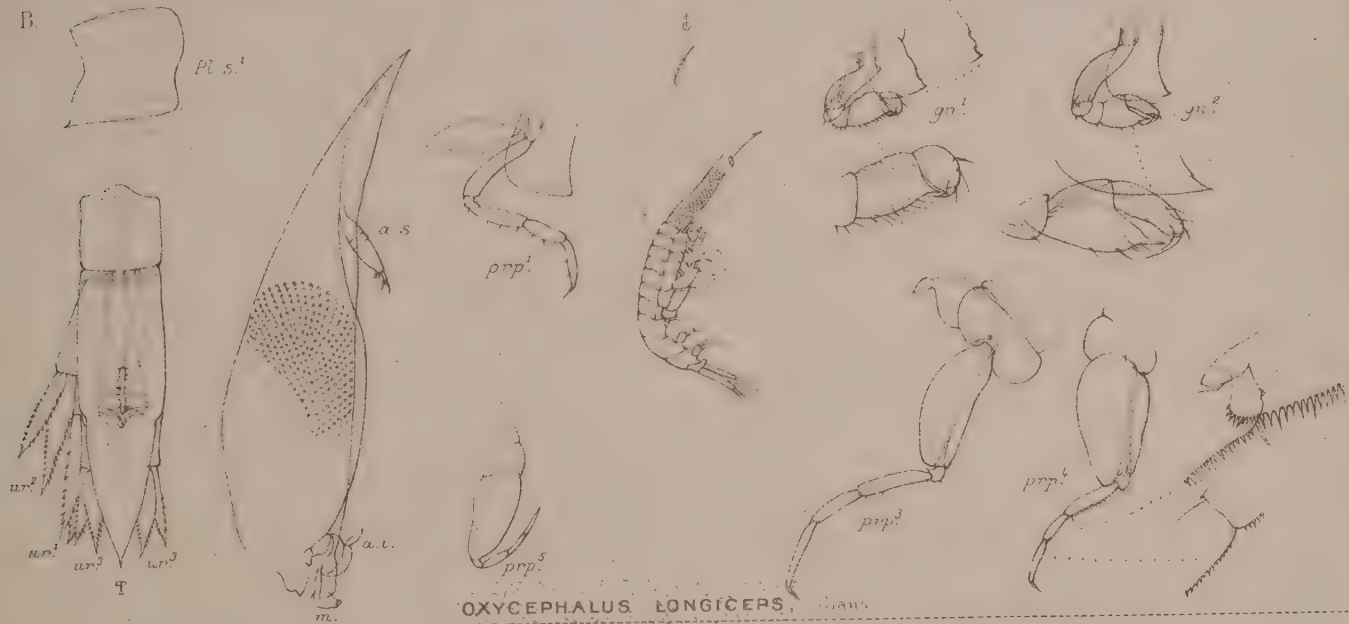
T.R.R.Stebbing, del.

J.T Rennie Reid, lith Edin^r

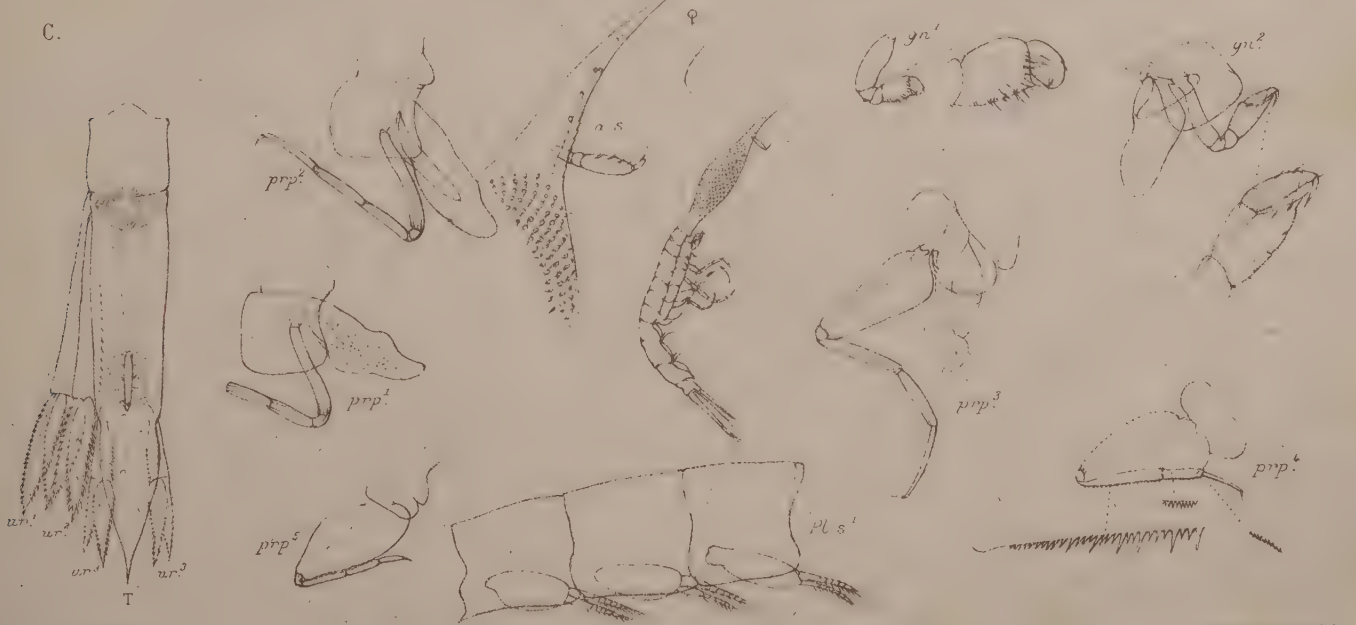
OXYCEPHALUS PORCELLUS, Claus.



OXYCEPHALUS PORCELLUS, Claus



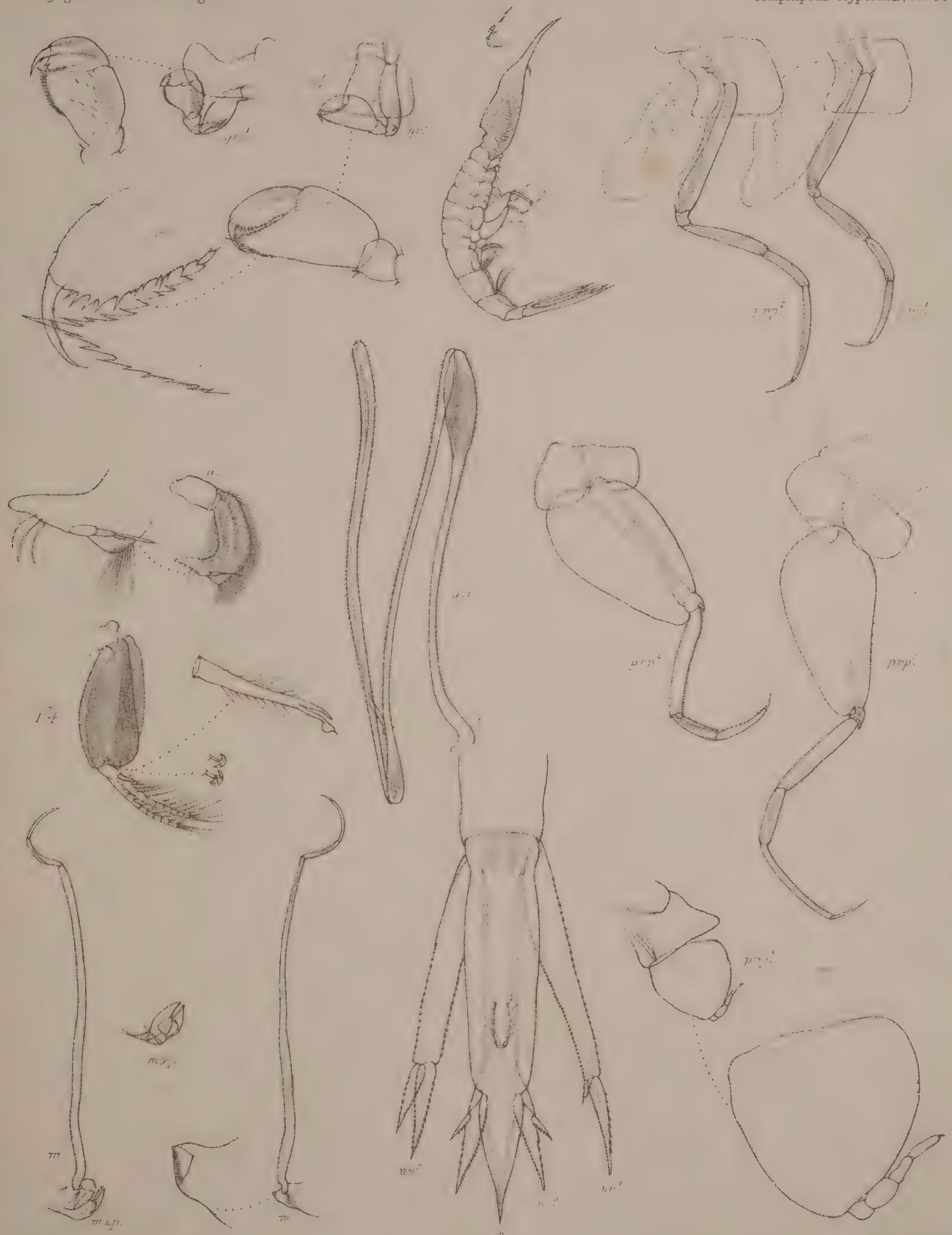
OXYCEPHALUS LONGICEPS, Claus.



T R R Stebbing del

J T Rennie Reid, lith Edin.r

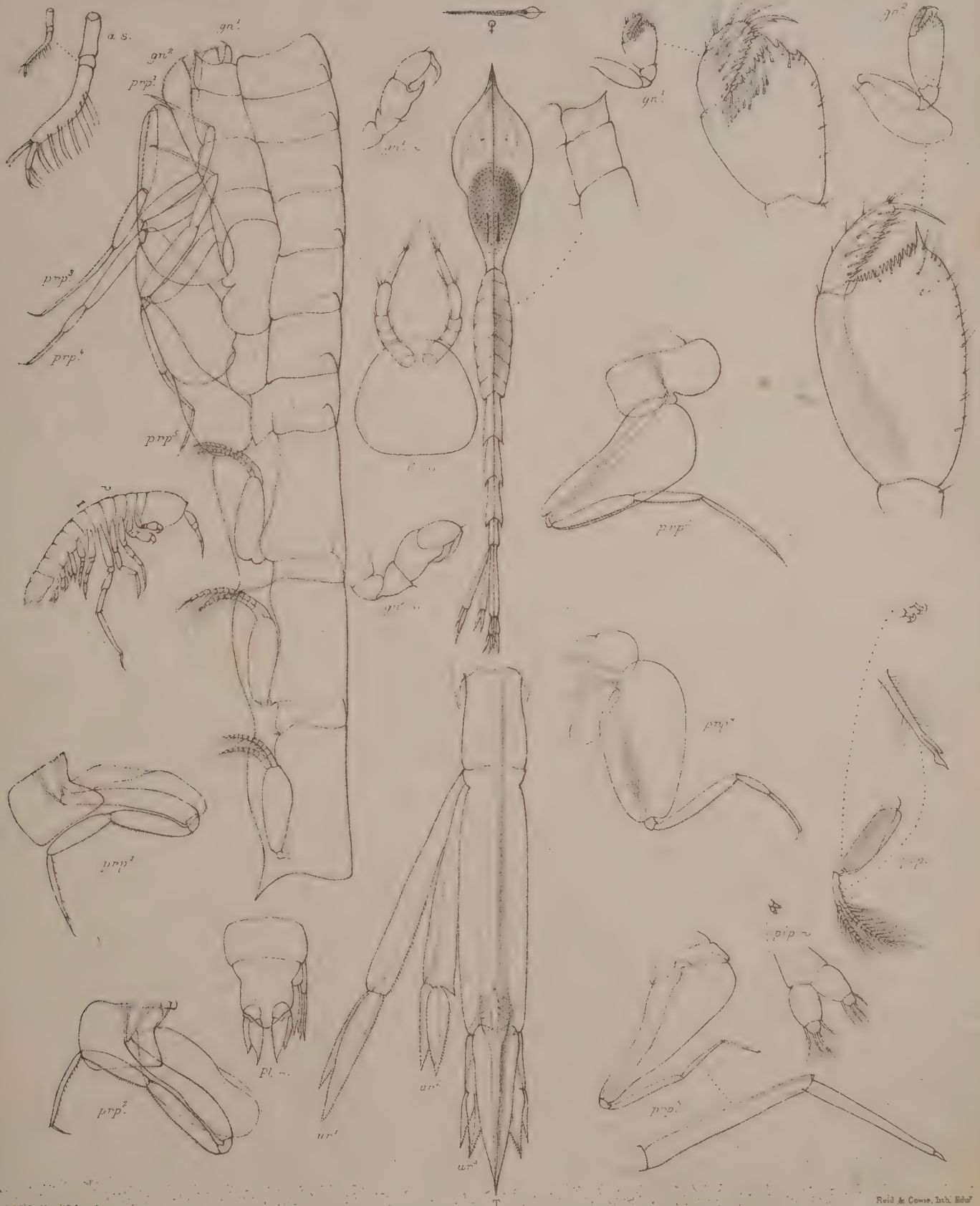
LEPTOCOTIS MINDANAONIS, n. sp.



T.R.R.Stebbing, del.

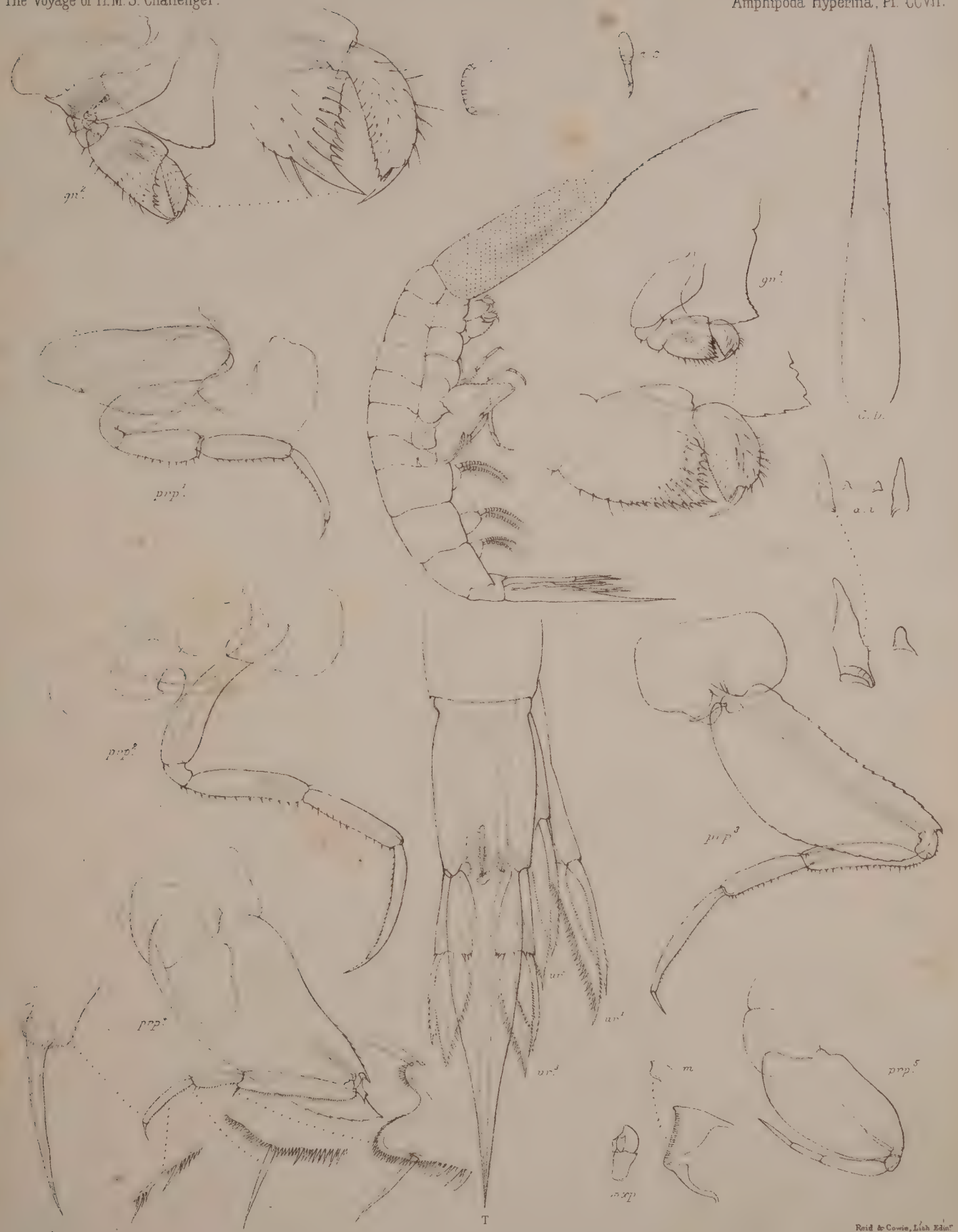
Reid & Cowie, Lith. Edin.

LEPTOCOTIS AMBOBUS, n. sp.



TRR.Stebbing del. Reid & Cowie, lith. Edin.

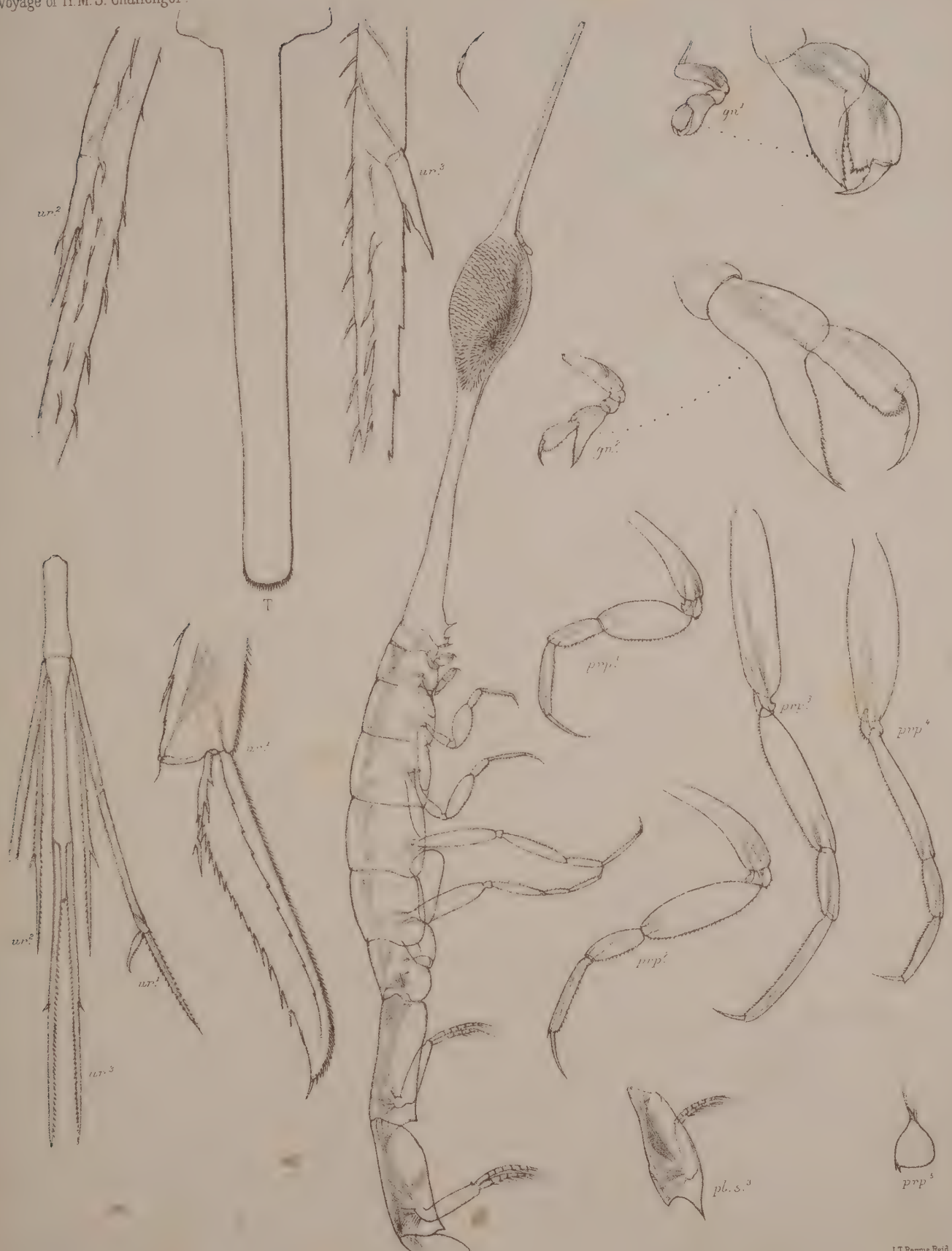
CALAMORHYNCHUS RIGIDUS, n. sp.



T.R.R.Stebbing, del.

Reid & Cowie, Lith. Edin.r

STREETSIA CHALLENGERI, n. sp.

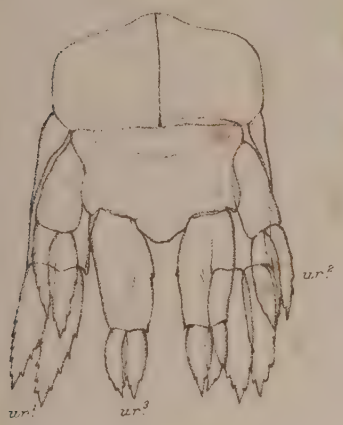


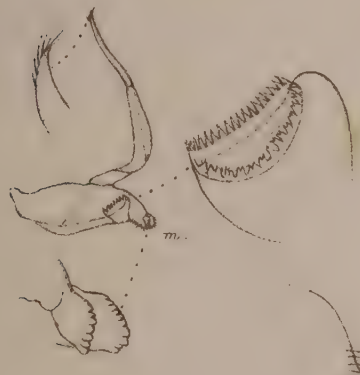
T.R.R.Stebbing del

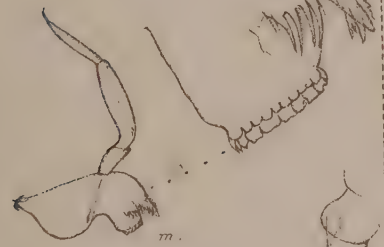
J.T Renme Reid. lith Edin.r

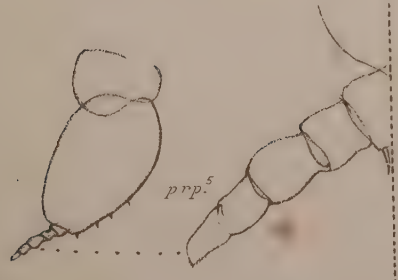
RHABDOSOMA BREVICAUDATUM, n. sp.

A.





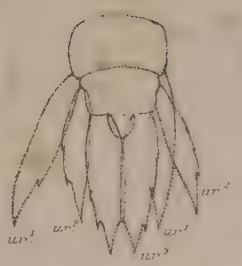




T.R.R. Stebbing del.

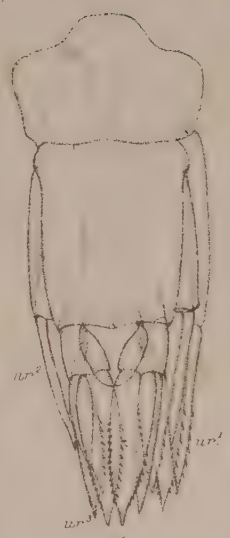
CYLLOPUS HOOKERI, n. sp.

B.



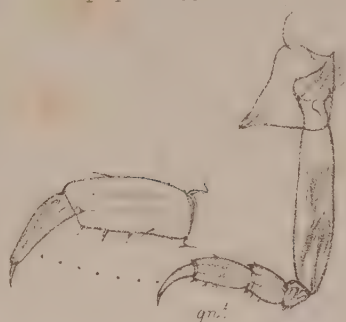
PRIMNO ANTARCTICA, n. sp.

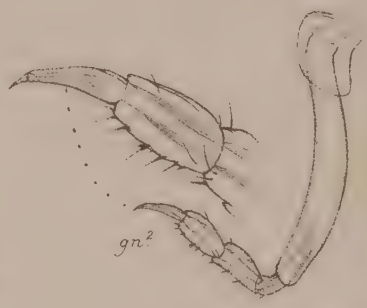
C.

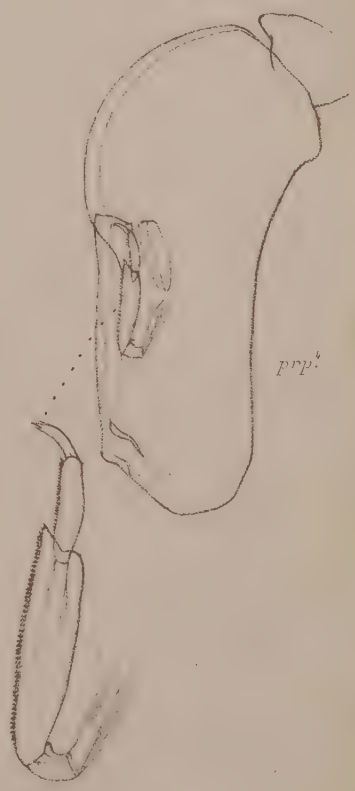


LYCÆOPSIS PAULI, n. sp.

D.







J.T. Rennie Reid, lith. Edin.r

PARATYPHIS PROMONTORII, n. sp.

A.
prp.3
prp.4
prp.5
ur.2
ur.1
T
ur.3
TETRATHYRUS ARAFURAE, n.sp.
B.
a.i.
prp.3
prp.4
prp.5
gn.1
gn.2
ur.1
T
ur.3
AMPHITHYRUS ORIENTALIS, n. sp.
C.
prp.3
prp.4
prp.5
D.
prp.5
prp.4
gn.2
gn.1
SCHIZOSCELUS ORNATUS, Claus.
E.
gn.1
gn.2
prp.3
prp.5
prp.4
ur.2
ur.3
T
ur.1
PARALYCÆA HOYLEI, n.sp
ur.2
ur.2
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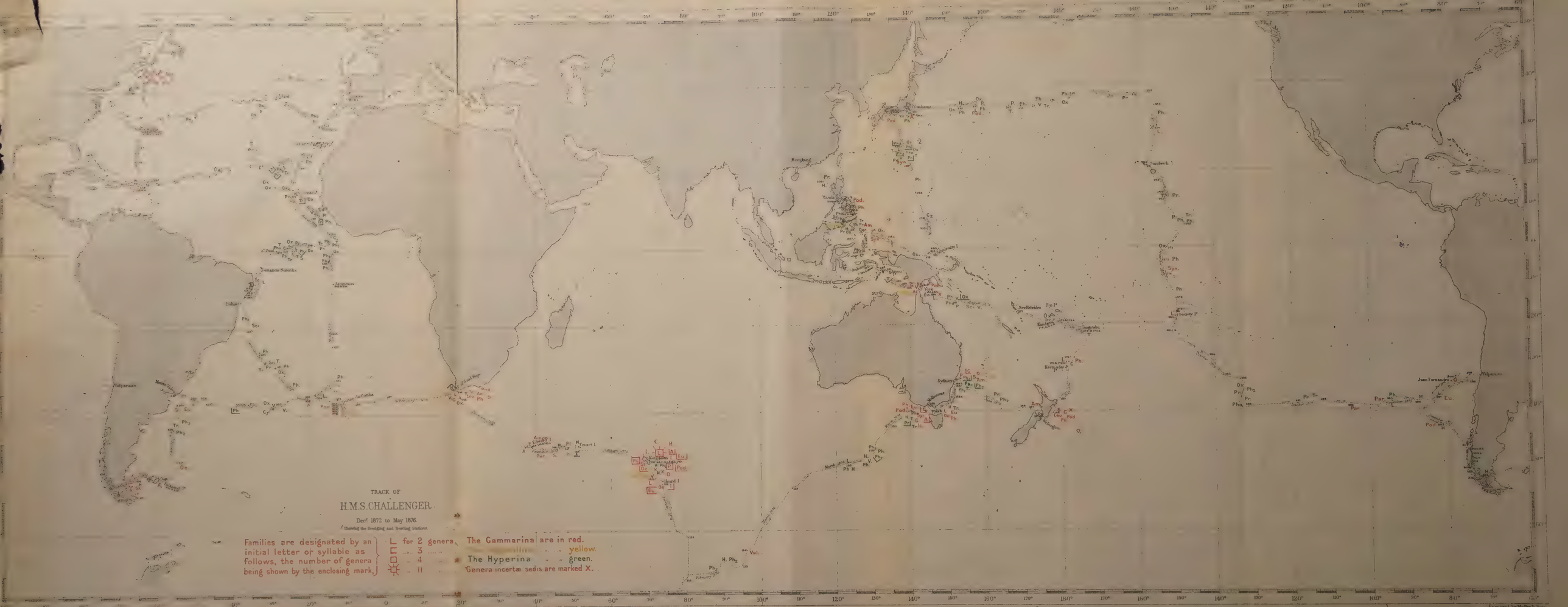
T
gn.1
gn.2
a.i.
THYROPUS DANÆ, n. sp.
T.R.R.Stebbing del
J.T.Renute Reid, lith Edin.r


TRACK OF
H.M.S. CHALLENGER
Dec.r 1872 to May 1876
Showing the Dredging and Trawling Stations
Families are designated by an initial letter or syllable as follows, the number of genera being shown by the enclosing mark, L for 2 genera, 3, 4, 11
The Gammarina are in red.
yellow.
The Hyperina green.
Genera incertæ sedis are marked X.
Amphipoda Gammarina.
Am Amphithoidæ. Amph Amphilochinæ. A Atylidæ. C Corophiidæ. D Dulichiidæ. E Epimeridæ. Eu Eusiridæ. G Gammaridæ. H Hesiidæ. I Ishyroidæ. Ic Iciridæ. Leu Leucothoidæ. Ly Lysianassidæ. Oe Oedicerodæ. O Orchestiidæ. Par Pardaliscidæ. Ph Photidæ. Pl Pleustidæ. Pod. Podoceridæ. P Pontoporeiidæ. S Stegocephalidæ. St. Stenothoidæ. Syn Synopiidæ. Syr. Syrrhoidæ. Val. Valettidæ.
1888.
Amphipoda Hyperina.
Cyl. Cyllopodidæ. C. Cystisomidæ. H. Hyperidæ. L. Lanceolidæ. Ox. Oxycephalidæ. P. Paraphronimidæ. Pho. Phorcidæ. Ph. Phronimidæ. Ph2 Phrosinidæ. Pr. Pronoidæ. S. Scelidæ. Sci. Scinidæ. Tr. Tryphanidæ. T. Typhidæ. V. Vibilidæ.
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Tarse, 93, 140, 155, 532. See Propodite and Dactylopodite.
Tarsus, 149, 485, 532. See Ischiopodite, Carpopodite, Propodite, and Dactylopodite.
Taste, organs and sense of, 481, 504, 510.
Telson ("the last [segment of the abdomen or pleon] which for convenience we shall designate by the name of Telson (from τέλσον, extrémity)," Spence Bate, Brit. Assoc. Report, 1855, p. 28), 289, 350; equivalents are—terminal joint, or segment, 102; middle tail-piece; dernier segment abdominal, 165; segment caudal; septième anneau ou segment abdominal, 153; la pièce du milieu, 97; Schwanzanhang, 427; Schwanzplatte; appendix caudalis, 178, 425; abdominis appendicula terminalis, 172. Telson supposed to be wanting in many Amphipods by Milne-Edwards, 153; in "*Amphithoe nilssonii*" and "*Amphithoe tenuicornis*" by Rathke, 173, 204; in *Icridium fuscum* by Grube, 348, 354; in the Orchestidæ by Zaddach, 485; in species of *Ichthyomyzocus* by Hesse, 1631; in "*Phronima bucephala*" by Giles, 1642.
Tergum, dorsal arch of the segment or somite, 153, 463.
Τεσσερεσκαιδεκάποδα, having fourteen feet, 9.
Testes, 452, 471, 520.
Tetartognathes (τέταρτος, fourth, γνάθος, jaw). See Maxillipeds.
Tetracères (τετρα-, in composition, four, κέρας, horn, antenna), 71, 72, 94.
Tetradecapoda (τετρα-, δέκα, ten, πούς, foot), 256, 259, **264**, 289.
Tetradecapoden, 384.
Tétradécapodes, 94, 289, 601.
Thelastia (θηλάζω, I suckle), 282.
Thoracipoda (θώραξ, the middle body, πούς, a foot), 547; the first part of the word Malacostraca not being especially appropriate to such hard-shelled Crustacea as Crabs and Lobsters, H. Woodward proposes instead of it the name Thoracipoda, "in allusion to the prevalent use in the Malacostraca of the thoracic series of appendages as special organs of locomotion." In many Crustacea, however, the thorax proper supplies no organs of locomotion, so that the new name would only present a new difficulty in exchange for the old.
Thoracostraca (θώραξ, and ὄστρακον, shell), 169, 477, 552, 1655.
Thorax. See Peræon.
Tibia (in Latin, the shin-bone), 149, 491. See Basipodite and Meropodite.
Tige, stem, a term used by Milne-Edwards for the combined parts of an appendage which he afterwards distinguished as Protopodite and Endopodite, 153.
Tracks in sand, 103, 310.
Tritognathes (τρίτος, third, γνάθος, jaw). See Maxillæ.
Triturating organs, 154, 321, 482.
Trochalognatha (τροχαλός, running, whence τροχαλία, a cylinder revolving on its own axis, γνάθος, a jaw), **450**, 606.
Trochanter (τροχαντήρ, the ball on which the hip-bone turns in its socket). See Basipodite and Ischiopodite.
Truncus. See Peræon.
Tubicola, Tubifica, 168, 271, 290, 522, 555, 595.
Under-riding, 263, 582, 1344.
Unguis (in Latin, a nail); sometimes used as the equivalent of the dactylopodite, at other times for the apical portion of that joint.
Unogata, **63**.
Unterlippe, 532. See (second) Maxillæ and Maxillipeds.
Urinary organs, 304, 372, 504, 511, 519, 552, 574.
Uropods (οὐρά, tail, πούς, foot), the appendages of the fourth, fifth, and sixth segments of the pleon. The equivalents are—caudal appendages, caudal stylets, pleopods, fausses pattes, pattes sauteuses, Haltopoden, Springbeine, Springfüsse, Schwanzfüsse, pedes spurii, pedes saltatorii. Dybowsky calls the first two pairs die Springbeine, and each member of the last pair das Steuerbein.
Uroptera (οὐρά, tail, πτερόν, a wing), 125.
Urus (οὐρά, tail), a name given by Bovallius to that part of the abdomen which carries the uropods and telson, the name pleon being restricted to the three preceding segments, 576.
Vasa deferentia, 452.
Vejiguillas branquiales, branchial vesicles, 232. See Branchiæ.
Vlookreeften, equivalent to the German Flohkrebse, 327.
Voracity of Amphipods, 197, 271, 355, 1619, 1632.
Vormagen, 482, 489.
Zange, pincers, 181, 491. Claus uses Zange of a subchelate hand, 491, and Greifzange of one that is chelate, 487.
Zechsteindolomite. The name Zechstein is given to a group of strata in the Permian system, including dolomites, the Kupferschiefer, &c., 176.
Zee-Scherminkel, sea-skeleton, or marine spindle-legs, which Slabber latinizes into *Phtisica marina*, presumably taking *Phtisica* from the Greek φθισικός, a consumptive person or creature. The general neglect of this generic name, to whatever causes due, does not seem justifiable. In the numerous passages of this Report in which *Proto* has been accepted as valid, I now wish that *Phtisica* should be read in its place, and in like manner I hold that *Phtisica marina*, Slabber, should be substituted for *Proto ventricosa* (O. F. Müller). 32.
Zostolia (perhaps from ζῶον, an animal, and ὀστέον bone), 88.

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